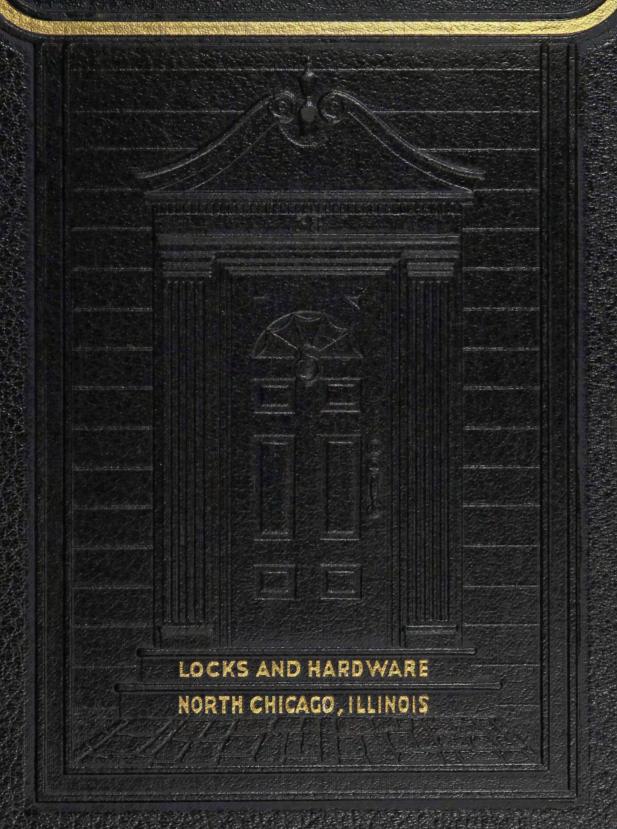
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TO UNLOCK BINDER — Pull out slide bar on wing under top cover. Top cover will then fall back and sheets can be inserted or removed.



TO REMOVE OR CHANGE SHEETS — Turn to page where change is to be made. Remove all sheets above this page with the bar attachment for holding the sheets.

TO LOCK BINDER — Bring wing back over the posts—be sure that posts fit in the holes in wing — press down lightly on wing—then push in slide bar.



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銀術

This

CATALOG No. 38

is not only an illustrated, descriptive list of our products, but constitutes a valuable reference book containing a wealth of technical information useful to architects, draftsmen, contractors, distributors and builders' hardware engineers.

の単作

BARROWS LOCK WORKS

DIVISION OF THE YALE & TOWNE MANUFACTURING COMPANY

NORTH CHICAGO, ILLINOIS

TRADE-MARK AND TRADE-NAME

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Under the Common Law, the Barrows Trade-Mark, when used in connection with Locks and Hardware, is the exclusive property of our Company and cannot lawfully be used by others. For nearly half a century it has been used to indicate products of our manufacture.

The Barrows Trade-Mark and Trade-Name have long been recognized and accepted as hallmarks of quality and dependability in Builders' Hardware.

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To all accounts not paid when due will be added interest at the rate of 6% per annum from date of delinquency and will be subject to sight draft, without notice.

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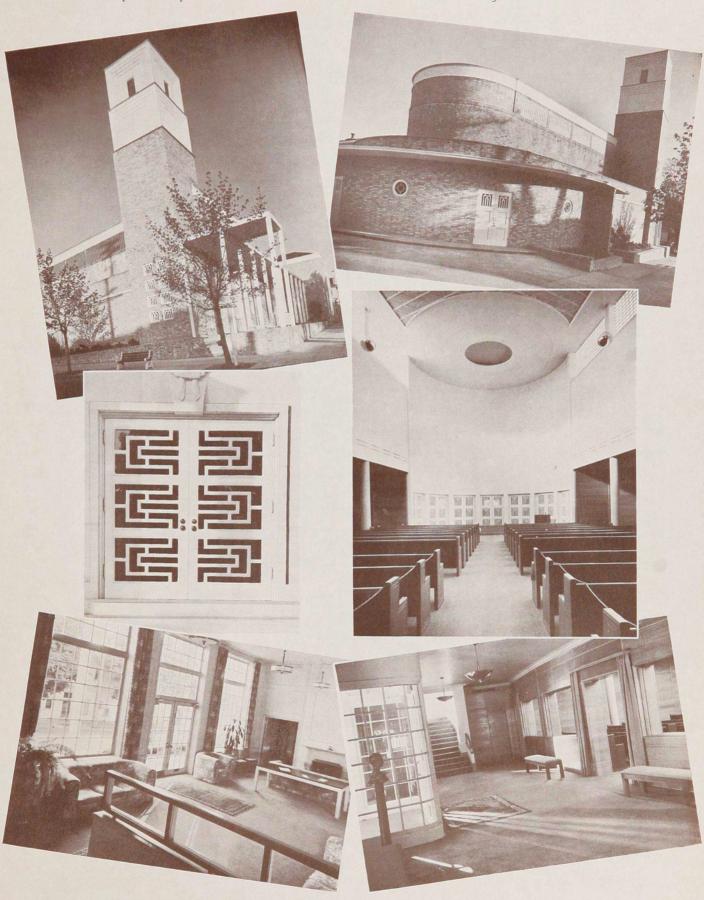
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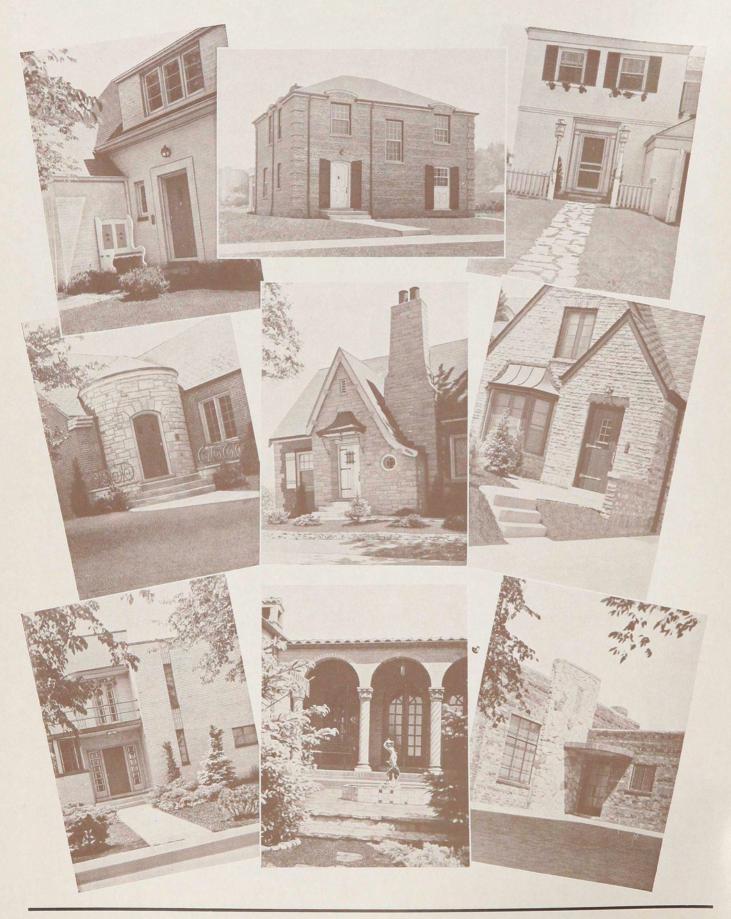
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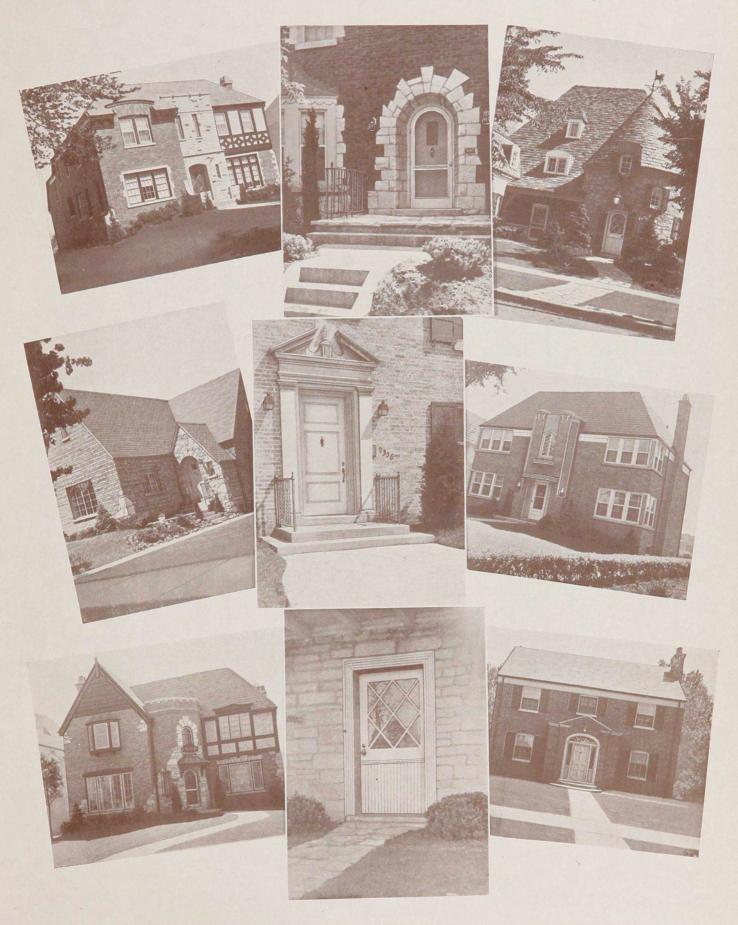
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Morninglight Chapel, Portland, Oregon, constructed 1937–38, is an outstanding architectural contribution to mortuary design. Its durability of construction and refinement of every detail is exemplified by the installation of Barrows locks and finishing hardware trim.

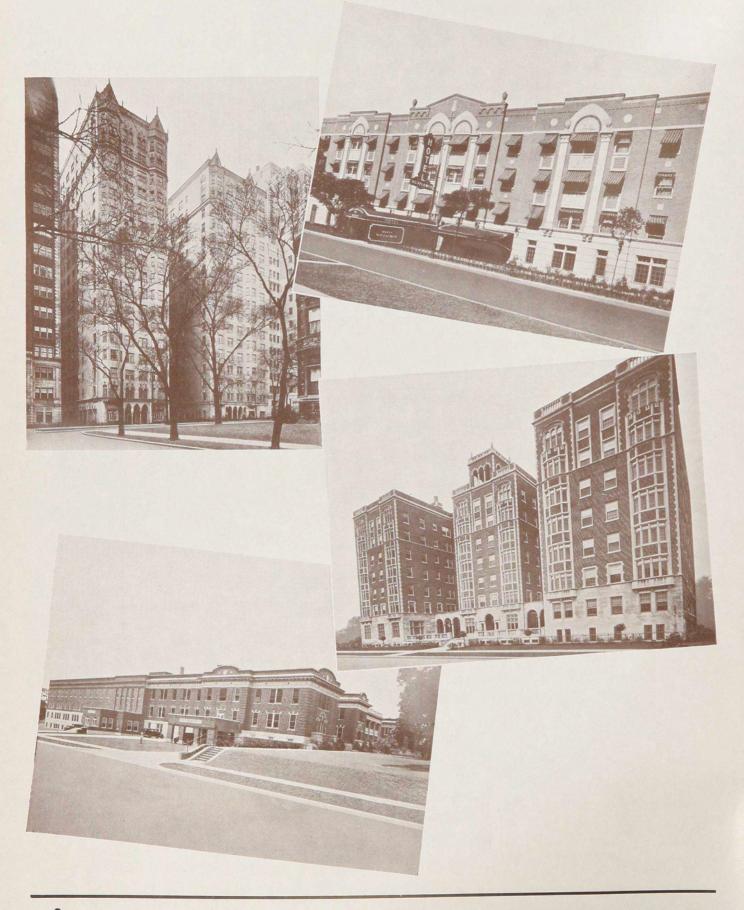




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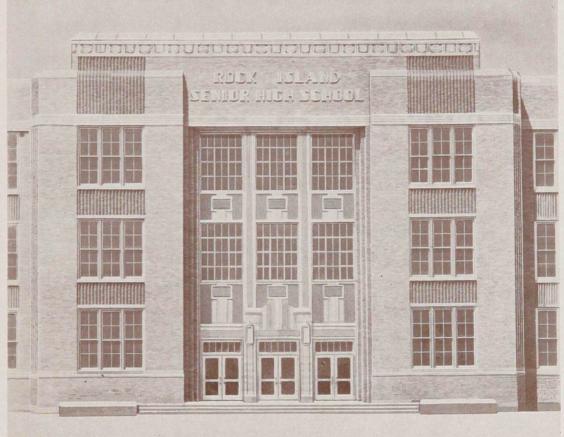


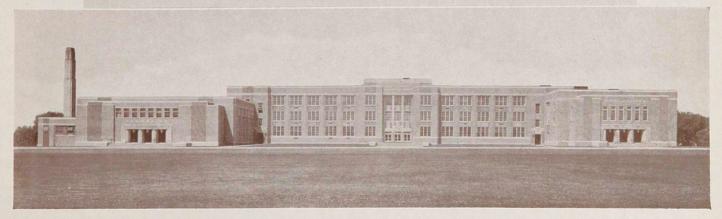
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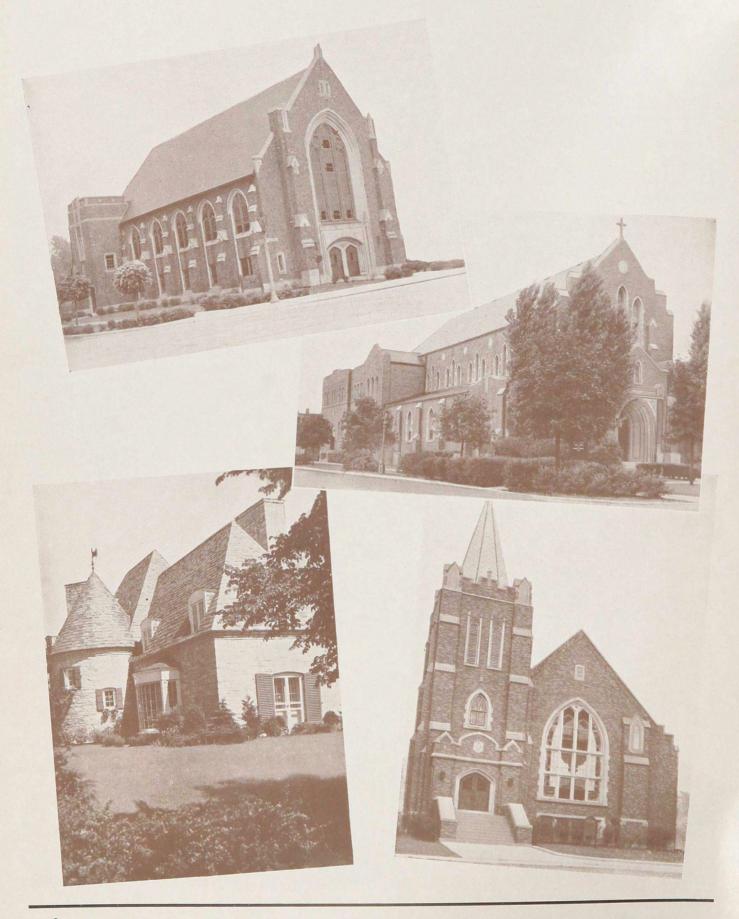
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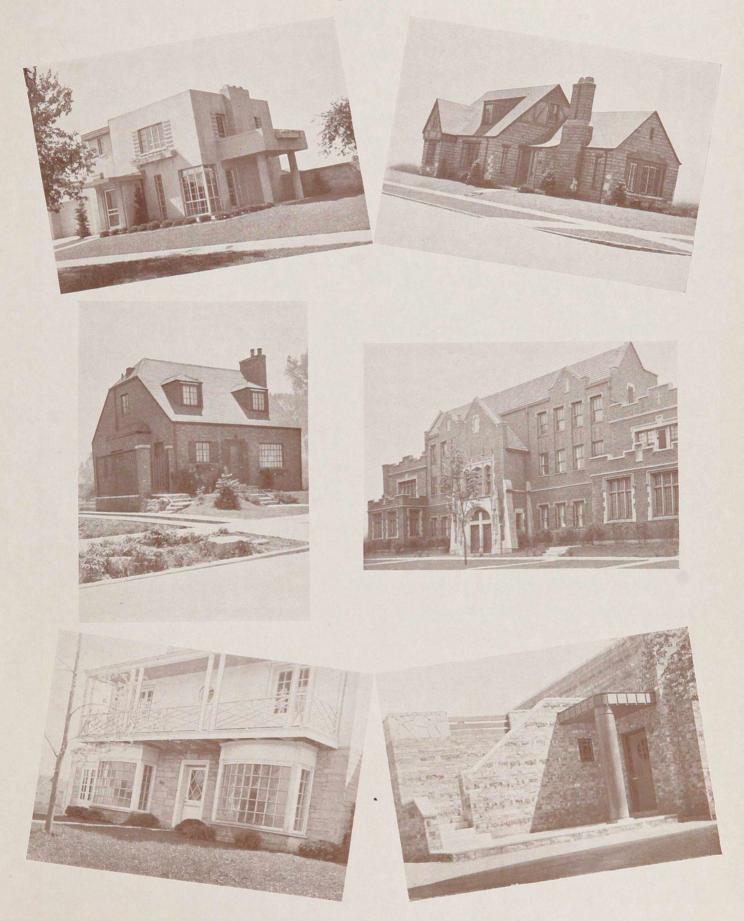


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A	194831	" 236	196890	" 238	B 197837	" 240	199002 1/4	Door Knob. 243
В	194831	" 236	196890V	" 238	C 197837	" 241	1990021/2	" " . 243
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	194833	" 236	196987	" 238	J 1978371/2	" 125	199220	Latchset 243
_	194870	Bolt 443	196990	" 238	S 1978371/2		199340	Lockset 243
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	194977	" 236	197002	" " . 240			199447	Push Plate 243
D			197002 1/4	" " . 240	B 197853	240	199454	" . 243
	1950013/4	Door Knob	F 107002 1	. 240	C 197853	241	199455	" " . 243
	105011	237-421	E 197002 1/4	" " . 240	E 197853	" 241	199458	" " . 243
	195011	Rose 237	197011		C 197873	241	199647	Door Pull. 243
	195022	Turn Knob. 237	197012	" 240	E 197873	" 241	199654	" " 010
	195023	" " . 237	197022	Turn Knob. 240	C 197877	" 241	199655	" " 243
	195025	Cyl. Plate 237	197023	" " . 240	E 197877	" 241	199658	" 243 " 243
	195220	Latchset 237	197025	Cyl. Plate 240	C 197890	" 241	199827	Lockset 243
	195340	Lockset 237	197025D	" " 434	E 197890	" 241	199831	" 010
	195340V	" 237	A 197200	Latchset 240	C 197890V	" 241	199977	" 243
								240

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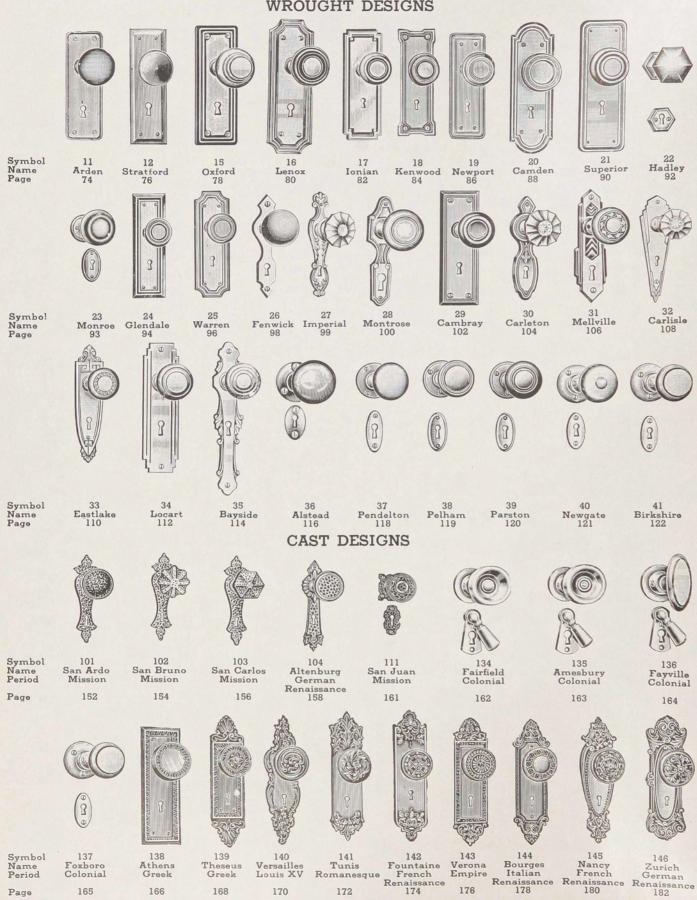
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35	Bayside		145	Nancy		184	Hanley	
36	Alstead		146	Zurich		185 186	Wakefield	
37	Pendelton	118	147	Navarre		187	Bordeaux	
38	Pelham		148	Danville		188	Luneburg Chester	
39	Parston		149	Pittfield	187	190	Nuline	
40	Newgate		150	Albion		191	Nulme Nilwood	
41	Birkshire	122	152	Custer		192	Roswell	
101	San Ardo		153	Putnam			Millport	
102	San Bruno		154	Karlos		194	Billingham	
103	San Carlos		155	Winfield		195	Colchester	
104	Altenburg	The state of the s	156	Walcott	255		Canterbury	
105	Tempelton			Columbus			Crovdon	
106	Grayton		158	Westvale		The second secon	Durado	
107	Glenville	160-258	159	Acmo	253		Telford	

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178	Stockbridge 216-2	255-270 101	San Ardo	152-251	141	Tunis	172
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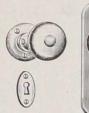


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Symbol Name Period Page



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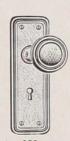
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(3) Billingham Colonial

195 Colchester Colonial

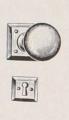
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196 Canterbury English Gothic 238



197 Croydon Colonial 240



198 Durado Mission 242



Telford 243

FINISHES

Symbol Letter Prefixed to Number Designates the following:

"A" Bright Buffed (polished) Finish.

Dull Finish.

"0" Burnished (friction polished). (Used on miscellaneous items only.)

"C" "F" "S" Course Wheel Finish. (Course ship.) Fine Wheel Finish. (Fine ship.)

Sanded.

"W" Wrinkled. Sprayed. (Used on night latches only.)

"H" High Parts Bright. (Highlights polished.) (Used on embossed designs of uneven surface.)

"NL" No Lacquer Embossed.

"OR" Oil Rubbed. No Lacquer.

"WX" Waxed. No Lacquer.

"E" Etched (Pompeian). Applied on cast or wrought, bronze or brass metal.

MISCELLANEOUS—Series 1 to 20—Applied on Cast Iron and Wrought Steel

Barrows Symbol	Surface	Description	Base Metal	U. S. Symbol
A6 OA6 D6 OD6 07 010 OD10 W010 011 * 17 *017	Bright Bright Dull Dull Bright Dull Dull Dull Dull	Zinc Zinc Zinc Zinc Zinc Zinc Copper Plated, Natural Finish Japanned Japanned Japanned, wrinkled Amber-Bronzed Bower-Barff, Genuine (rust-resisting) Bower-Barff, Genuine (rust-resisting)	Polished Burnished Polished Burnished Burnished	US1B US1D US18
† 19 †019 18 018	Dull Dull Sanded Sanded	Velvety Black Texture, Rust Resisting, on iron and steel only. Velvety Black Texture, Rust Resisting, on iron and steel only. Black Lacquer. Black Lacquer.	Polished Burnished Polished Burnished	

*Bower-Barff, Genuine, gives best results on cast iron, but can be applied to steel. Bower-Barff Finish is not recommended for exterior application. This finish can be preserved by wiping with a slightly oiled cloth. †Very durable and highly recommended for interior application.

BRONZE METAL OR BRONZE PLATED—Seri	s 20—Applied on Bronze Metal, Cast Iron or Steel
------------------------------------	--

A20	Bright	Natural Color	Polished	US9
OA20	Bright	Natural Color	Burnished	
D20	Dull	Natural Color	Polished	US10
OD20	Dull	Natural Color	Burnished	
S20	Sanded	Natural Color	Polished	
C20	Wheeled	Natural Color, coarse (ship finish), on bronze metal only	Polished	
F20	Wheeled	Natural Color, fine (ship finish), on bronze metal only	Polished	
D21	Dull	Light-Oxidized and Kelieved	Polished	US11
S21	Sanded	Light-Oxidized and Relieved	Polished	US12
OS21	Sanded	Light-Oxidized and Relieved	Burnished	
HS21	Sanded	Light-Oxidized and Relieved, with raised lines bright on ornate designs only	Polished	US13
D23	Dull	Light-Oxidized and Relieved, Oil Rubbed	Polished	
D24	Dull	Light-Oxidized and Relieved	Polished	
D27	Dull	Dark-Oxidized and Relieved (Old English or aged bronze) on bronze metal only	Poliched	
A28	Bright	Natural Color with dark-oxidized background on ornate designs only	Polished	
D29	Dull	Statuary, Medium Color	Polished	US20
DD29	Dull	Statuary, Dark Color	Polished	US20A
S29	Sanded	Statuary, Medium Color	Polished	022011

BRASS METAL OR BRASS PLATED—Series 30—Applied on Brass Metal, Cast Iron or Steel

			01 01001	
A30	Bright	Natural Color.	Polished	US3
OA30	Bright	Natural Color	Burnished	
D30	Dull	Natural Color	Polished	US4
OD30	Dull	Natural Color	Burnished	054
S30	Sanded	Natural Color	Polished	
C30	Wheeled	Natural Color, coarse (ship finish), on brass metal only	Polished	
F30	Wheeled	Natural Color, fine (ship finish), on brass metal only	Polished	
W30	Dull	Wrinkled	Ruppiched	
D31	Dull	Light-Oxidized and Relieved.	Dalished	TIGE
OD31	Dull	Light-Oxidized and Relieved	Runnish	US5
S31	Sanded	Light-Oxidized and Relieved.	Dalish	TIGO
OS31	Sanded			US6
HS31	Sanded		Burnished	****
A32	Bright	Mottled, medium-oxidized	Polished	US7
OA32	Bright	Mottled, medium-oxidized.	Polished	
S32	Sanded	Mottled medium oxidized	Durnished	
		Mottled, medium-oxidized	Polished	
OS32	Sanded	Mottled, medium-oxidized	Burnished	
A34	Bright	Crystallized, on cast brass metal only.	Polished	
D37	Dull	Dark-Oxidized and Relieved (Old English or aged brass) on brass metal only	Polished	
A38	Bright	Natural Color with dark-oxidized background on ornate designs only	Polished	1

For information on Locksets with different finishes on opposite sides, refer to Page No. 40.

For information on metals and finishes used in the manufacture of Builders Hardware, refer to Page Nos. 44 to 47.

FINISHES, Cont.

COPPER PLATED—Series 40—Applied on Bronze Metal, Cast Iron or Steel

		COPPER PLATED—Series 40—Applied on bronze Metal, Cast Iron or Steel								
Barrows Symbol	Surface	Description	Base Metal	U.S. Symbol						
A42 OA42 S42 OS42	Bright Bright Sanded Sanded	Oxidized and Relieved (Antique Copper)	Polished Burnished Polished Burnished	US8						
	NICKEL PLATED—Series 50—Applied on Bronze or Brass Metal, Cast Iron or Steel									
A50 OA50 D50 OD50 D51 OD51 S51	Bright Bright Dull Dull Dull Dull Sanded	Natural Color Natural Color Natural Color Natural Color Light-Oxidized and Relieved Light-Oxidized and Relieved Light-Oxidized and Relieved Light-Oxidized and Relieved	Polished Burnished Polished Burnished Polished Burnished Polished	US14 US15 US16						
OS51 HS51 A58	Sanded Sanded Sanded Bright	Light-Oxidized and Relieved Light-Oxidized and Relieved Light-Oxidized and Relieved, with raised lines bright, on ornate designs only Natural Color, dark-oxidized background, on ornate designs only	Burnished Polished Polished	US17						
	SILVER PLATED—Series 60—Applied on Bronze or Brass Metal Only									
A60 D60 S60 D61 S61	Bright Dull Sanded Dull Sanded	Natural Color. Natural Color. Natural Color. Natural Color. Light-Oxidized and Relieved. Light-Oxidized and Relieved.	Polished Polished Polished Polished Polished	US23						
	GOLD PLATED—Series 70—Applied on Bronze or Brass Metal Only									
A70 D70 S70 IA70	Bright Dull Sanded Bright	Natural Color Natural Color Natural Color Natural Color Natural Color, imitation	Polished Polished Polished	US24						
VERDE ANTIQUE—Series 80—Applied on Bronze or Brass Metal Only										
S81 HS81	Sanded Sanded	Verde Antique, medium	Polished Polished	US22						
	CAI	DMIUM PLATED—Series 90—Applied on Bronze or Brass Metal, Cast Iron or S	Steel							
A90 OA90 D90 OD90 S90 OS90	Bright Bright Dull Dull Sanded Sanded	Natural Color	Polished Burnished Polished Burnished Polished Burnished	US2C						
		HAMMERED IRON FINISHES								
HD91 OHD91 HD101	Dull Dull Dull	Half Polished Iron (Swedish) on Bronze or Iron Metal. Half Polished Iron (Swedish) on Bronze or Iron Metal. Half Polished Iron (Swedish) on White Bronze Metal, only.	Polished Burnished Polished							
		WHITE BRONZE METAL (NICKELINE)—Series 100								
A100 D100 S100	Bright Dull Sanded	Natural Color Natural Color Natural Color	Polished Polished Polished	US25						
		CHROMIUM PLATED—Series 110—Applied on Bronze or Brass Metal Only								
A110 D110 A118 D118	Bright Dull Bright Dull	Natural Color Natural Color Natural Color, dark-oxidized background, on ornate designs only Natural Color, dark-oxidized background, on ornate designs only	Polished Polished Polished Polished	US26 US26D						
		ALUMINUM METAL—Series 120								
A120 D120	Bright Dull	Natural Color	Polished Polished							
17	11 T	1 1. M.								

For information on Locksets with different finishes on opposite sides, refer to Page No. 40. For information on metals used in the manufacture of Builders Hardware, refer to Page Nos. 44 to 47.

COMPARATIVE FINISHES

			D	01			1	T 1			1 **				
U. S. Bureau Stand- ards	Description	Barrows Lock Works	Bommer Spring Hinge Co.	Cham- pion Hdw. Co.	Chan- trell Hdw. & Tool Co.	Lock	P and F Corbin Co.	Earle Hdw. Mfg. Co.	Frantz Mfg. Co.	Griffin Mfg. Co.	Hager & Sons Hinge Co.	H. Iron	B. Ives Stee!	Law- rence Bros.	Lock- wood Mfg. Co.
USP	Primed for Painting		P								PF			P	
US 1B US 1D	Japanned, Bright Japanned, Dead Black.	O10 OD10	Dl	DJ	02	DJ	D 1	J	J DBJ	Jap DBJap	J JD	29 36		D 1	J JF
US 2C US 2G US 2H US 2S	Cadmium Plated Galvanized, Electro Galvanized, Hot. Sherardized.	A90 O12	G	G	05	EG G	G		EGalv HGalv	Cad ElGalv Galv	Cad CP G SH			Cd G HG	ż
US 3 US 4 US 5	Brass, Bright Brass, Dull Brass, Dull, Oxidized	A30 D30	A DA	X	30 37	12	A EA	PB DB	BB DB	RTBS DBs	B DB	39½ 37 63	35 51 83	BB DB	13½ 13
US 6	and Relieved Brass, Sanded, Oxi-	D31	I.A	DBR	38	12½	KA	DBR	AB	OBs	DBO	631/2	831/2		43
US 7	dized and Relieved Brass, Sanded, Oxi-	S31	SLA	SK	338	141/4	SKA	SLO	DBSS	OBsSB	DBS			DBSS	51
	dized and Relieved, raised ornamentation														
	polished	HS31			339	. 14 5/8	RKA	SLOR			DBS				45
US 8	Copper, Antique	A42	MC	В	24	5	R	AC	AC	OC	OC	39	50	OC	71/2
US 9 US10	Bronze, Bright Bronze, Dull	A20 D20	B DB	L DL	40 47	1 24	B DB	PBZ DBZ	BBRZ DBRZ	BZE D.BZE	A DA	393/4	34 61	BZ DBz	34
US11	Bronze, Dull, Oxidized													DBzR	23
US12	and Relieved Bronze, Sanded, Oxi-	D21	LB	НВ	48	24½		DBZR		AntBze	DAO				
US13	dized and Relieved Bronze, Sanded, Oxi-		SLB		448	161/4	SHB			OBzeSB	DAS				36½
	dized and Relieved, raised ornamentation polished				449	164	DIID	DZCD			Dic				00
US14	Nickel Plated, Bright	A50	N	N	50	165%	RHB E	BZSR	N	NP	DAS	60	42		36
US15 US16 US17	Nickel Plated, Dull Nickel Plated, Sanded. Nickel Plated, Sanded raised ornamentation	D50 S51	DN SLN	DN	57 558	8½ 18¼	DE SE	DN SN	DN NS	DNP NPSE	DN SN	02	42 22 	N DN DNS	5 90 5S
77010	polished	HS51		*	559	18 5/8		SNR			SN	• • • •			5½
US18 US19	Rustproof Black Dead Black, Sanded	17	R RI	A H	9	19	F	RP IRP		DBE	GB K	46 66½	773/2	GB DE	31
US20 US20A	Bronze, Statuary Bronze, Statuary, Dark	D29 DD29	OB OC	R	46	35 35	KB LB	S SD	StatB	StatBze	AL ALD	28	38	LStB StB	38
US21	Bronze, Statuary, Sanded	S29	SOB				SHB			StatBze SB	ALS				385
US22	Verde Antique	S81	V	V	883	22	V	VA		VerdAnt	V				85
US23	Silver Plated, Dull, Oxidized and Re- lieved		DX	Е			KS				SD		54		72
US24	Gold Plated, Dull	D70	DZ				DG				GD				80
US25	Bronze, White	A100	WM	WL	250	WB	NK				WB			WM	95
US26 US26D	Chromium Plated, Bright Chromium Plated, Dull	A110 D110	H DH	CR DCR	150 157	26 26½	CR DCR	CR DCR	CHR DCHR	PCR DCR	CHR CHRD		72 74	CHR DChr	96 97
US Spec	Dull, Light Oxidized and Relieved, oil rubbed		LBOR	HBOR	48OR		EB	ORB			DAO OR				
US Spec	Light Statuary Bronze, Waxed	D24WX		RLN	46LW		JB				AL Waxed				
US Spec										,					39
US Spec	Dead Black on Forged	DB		Н			DD		EDB	DBC	IR Black				
US Spec	Half Polished Iron	HD91		НҮ	564		HPI	4-0		HPI	IR HP				
US Spec	Rusty Iron			HPE		OI	RI	4-R		RI	IR Rusty				
	ving use The U. S. Burea	u of Stan	dards Fir		bols:		1								

The following use The U. S. Bureau of Standards Finish Symbols:

Casement Hardware Co.
Chicago Spring Hinge Co.
Dudley Lock Corp.
Glynn Johnson Corp.
Grand Specialties Co.
National Brass Co.
Schlage Lock Co.

(BARROWS)

COMPARATIVE FINISHES, Cont.

U.S. Bureau	McKin- ney		Norwalk	Payson		Reading	Osca	r C. Rixso	n Co.	Russell & Erwin		Sargent			ing	Stanley		Yale &
Stand- ards	Mfg. Co.	Mfg. Co.	Lock Co.	Mfg. Co.	Hdw. Co.	Hdw. Corp.	Steel	Brass	Bronze	Mfg. Co.	Lock Works	and Co.	Lock Co.	Hir		Works	Hdw. Co.	Towne Mfg. Co.
USP	PC	PC												Iron 10	Bze.	P		
US 1B US 1D	J DB	Jap DBJap	DJ	J DJ	Dì	l Dl					O10 OD10	j		12 14		J J1	J J1	DI
US 2C US 2G US 2H US 2S	CM CA G	Cad Galv Sher	CA G	Z Z	Cad Gal	GL HG	F2			G	A90 O12		US 2	18		K R Z	.GG	
US 3 US 4 US 5	BP OB XB	BrtB DullB AntB	IB K K3	B G T	BB DB DBR	31 37 371	F4P F1P F6P	AP A1P A6P		10 9 9C	A30 D30 D31	B OB OE	US 3 US 4 US 5	22 26 26-O 27	23 27 0R 7-OR	C F F4	10 9 9C	AZ10 AY22 AY21
US 6	XBS	ABS BNS	НКЗ	TW	SB	33	F6PS	A6PS		O9C	S31	RD	US 6	36	37	SF4	O9C	AX28
US 7			HK3L		SB9	333	•••••			О9В	HS31	R7D	US 7		-		О9В	AX281/2
US 8	AC	AC	0	AC	AC	24	F12P	A12P	B12P	7½	A42	AB	-	24	25	D2	7½	CZ27
US 9 US10	B DE	BRZT Dull Bze	DB DB	R DR	BBZ DBZ	7	F7P F7		BP B1P	11 11D	A20 D20	POP	US 9 US10	20 30-O 31	R I-OR	A A5	11 11D	BZ10 BY22
US11	DX		DB3	Н	DBZR	271	F8P		B8P	11C	D21	O6P	US11			A4	11C	BY21
US12	DXS		HDB3	HW	SBZ	223				Olic	S21	RP	US12			SA4	Olic	BX13
US13			HDBL		SBZ9	225					HS21	R8P	US13				O11B	BX131/2
US14 US15 US16	N ND NS	Nick Dull Nick Nick SB	NP DN HNP	N DN NW	BN DN SN	80 77 78	F14P F15	A14P A15	B14P B15	4 14	A50 D50 S51	LN L5N RN	US15	32 40 38	33 41 39	N N5 SN	4 14 04	NZ10 NY10 NX10
US17			HNPL		SN9	781					HS51	R7N	US17					NX101/2
US18 US19	BB EDB	EBB	RI HW	V F	RP IRP	87 87½	F13S			46 47	17 18	BB BN	US19	28	29	GH	46 47	FX80 BX80Bze FX90 Steel
US20 US20A	YL YM	LtStatBze Dark Stat Bze	H2 2D	I ID	BBZ4 BBZ6	222	F9P			2 2D	D29 DD29	A A3B	US20	64	65	B B1	2 2D	BY25 BY65
US21	YLS	Stat Bze SB	H2	IW	SBZ4	223D				02	S29	RA	US21	••	••	SB	02	BX25
US22	V		VA	U	V	90	F16PS			36	S81	VA	US22	58	59	V	36	BX67
US23	PX		S	S	DSR	49		A32PS	B32PS	8C	D61	LS	US23			E4	8C	SY52
US24	DG		T	AU	DG	57				19	D70	G					19	GY10
US25	W		NM	SS	White Bronze	81				44	A100	EM		54	55	NM	44	NZ40
US26 US26D	C CD	Chr DChr	CP DCP	CH DCH	BCH DCH	CP DCP		A19P A19PS	B19P B19PS	24 34	A110 D110	CM DCM		46 48	47 49	CM CMD	24 34	DZ10 DY10
S Spec	DA	OR-Bze	DB2	OR-H	DBZO				BIPOR	11W	D23	ОЗР				A9	12	BY23
S Spec	YL Waxed									11Z	D24WX			34 Wax	35 xed			BY24 Waxed
S Spec										13	D24					A8		BY24
S Spec	DB		HW	F	SN7	DB	F3		В3	DB	DB	BN	US19			WDB J1		
S Spec	K		20	AF	SN6	489½	F18P	A17PS	BMPS	НР	HD91	HF	HPI	42	43	НҮ		NX36 NX56
S Spec	KR			A2MB		389							RI			WRI		NX65
ne follow	ing use	The U.S.	Bureau of	Standar	ds Finish	Symbols												

ne following use The U. S. Bureau of Standards Finish Symbols:
Casement Hardware Co.
Chicago Spring Hinge Co.
Dudley Lock Corp.
Glynn Johnson Corp.
Grand Specialties Co.
National Brass Co.
Schlage Lock Co.

INSTRUCTIONS FOR ORDERING

Everyone concerned desires prompt shipment of orders, properly filled, but this can be accomplished only if complete and accurate detailed information accompanies each order.

As laxity in this important respect is the chief contributing cause of avoidable correspondence, delays and changes even after manufacturing operations are under way, we would greatly appreciate your cooperation in carefully preparing your orders and listing quantities and descriptions as indicated by the following form:

Item No.	Quantity	Unit	Catalog Number	Description	Finish	Price
1	5	Only	12340	Locksets	D30	
2	10	Doz.	P12601	Locksets	D30	
3	2	Gro.	P1184	Cupboard Turns	D30	

Customers having their own numbering system should list their numbers, followed by Barrows comparable numbers in parentheses.

For convenience in ordering, set numbers have been established for the most popular combinations of locksets. In addition to the set number, the keying instructions, if any, and finish, complete the required factory information.

When lockset combinations having no regular set numbers are desired, please list the catalog number and complete, special information for each unit comprising the set, in the sequence of (1) lock, (2) knobs, (3) escutcheons; or lock number x keying instructions x hand (if required) x length of cylinder or thickness of door x strike (if special) x outside knob or handle x outside escutcheon x inside knob or handle x inside escutcheon x finish (specifying outside finish symbol first) e. g.,

l Set No. 340MK-RH—1¾ in. door x Type F protected strike x ½ pr. 180002¼ x 1-180005 x ½ pr. 180002¼ x 1-180103 x 22 Lockset finish 19 x D31.

SPLIT FINISH LOCKSETS

When Locksets for doors opening in are ordered in "split" finishes, the outside finish symbol should be specified first and the inside finish symbol second. The lock front and strike will be finished the same as the **second** finish symbol, which is the inside trim finish.

If doors open out, specify "Reverse Bevel." Lock and strike will be finished the same as the outside

trim (first finish symbol).

EXAMPLES

Handle Front Door Locksets

1 Set S34177 Lockset Finish A110 x D30

The outside trim and cylinder will be Finish AllO (polished chrome). The inside trim, lock front and strike will be Finish D3O (dull brass).

Knob Front Door Locksets

1 Set 12340 Lockset Finish D30 x A50

The outside trim and cylinder will be Finish D30 (dull brass).

The inside trim, lock front and strike will be Finish A50 (polished nickel).

Inside Lockset

1 Set 12801 Lockset Finish 19 x D30

Trim on one side will be 19 (dull black, rust resisting.)
Trim on other side will be D30 (dull brass).

The lock and strike will take the second finish symbol D30 (dull brass).

Bathroom Lockset Complete

1 Set 12837

137 Lockset Finish D30 x A50.

The outside trim will be D30 (dull brass).

The inside trim, lock front and strike will be A50 (polished nickel).

As incomplete information occurs most frequently in connection with special contract orders, we call your attention to the following important information that is necessary before factory production schedules can be entered for such orders:

Name of owner, building and location (for future reference if additional hardware should be required.)
 Keying instructions. Clear statement of entire keying set-up, including listing of all keys to which each lock is subject. Refer to page No. 398 for description of keying and keys.
 Type of lock front; whether flat, beveled or rabbeted.
 Special backset of locks. Width of stile.
 If special strikes for locks are required; type of strikes by

If special strikes for locks are required; type of strike and length of lip.

Hand, thickness and bevel of doors.

Width of doors and stiles for which push and pull bars or kick plates are specified. 8. Height of doors for which Cremone bolts are specified.

Types of strikes required for Cremone bolts, surface bolts and casement fasteners. 10. Length of bolts, casement adjusters, transom chains, transom lifters, etc.

11. Sizes of special escutcheons, push plates, door pulls, etc., with vertical dimensions listed first.

12. Special conditions requiring detailed drawings.

INSTRUCTIONS FOR ORDERING, Cont.

SUBSTITUTION OF LOCKS IN SETS

When a different lock is desired than the one listed in a regular set number, make up a new set number by removing the regular lock number from the set number and substituting the catalog number of the lock desired. Care must be taken, however, that the regular set escutcheons will accommodate the size and spacing of the substituted lock. For example, if a long throw dead bolt lock is desired in a 2-cylinder Store Door Lockset No. 34162xD30, merely delete the regular lock number 162 and substitute number 172, making the new set number 34172xD30.

ESCUTCHEONS ONLY

When ordering escutcheons only, it is necessary to give the number of the lock they are to fit or to give the spacing required.

HOTEL LOCKS

1 Set 955 (See Key Instructions at beginning of schedule) x strike (give length of lip) x outside trim x inside trim x finish.

KNOBS

All Locksets except commercial large escutcheon sets are packed with Model C knob mounting (page 415). If other mountings are required, they must be specified by suffixing to the knob numbers the letter symbol for the mounting desired.

1 Pr. 1326 Mod. B. Knobs. Finish D30.

PUSH PLATES AND DOOR PULLS

Specify size of plates (listing vertical dimension first) x finish.

If different type of grip than that listed on door pulls is required, give catalog number of grip wanted. If push plates or door pulls are specified cut for cylinder or key hole, give distance from top of plate to center of cylinder or bit keyhole.

PUSH BARS AND PULL BARS

Specify length from center to center of bar base or give width of door and width of stiles. Also specify the type of application, whether by machine screws through the door or wood screws. If to be attached with machine screws, give thickness of door.

KICK PLATES

Kick plates applied on exterior (or stop) side of door opening in must be measured with deduction of one-half inch from each end on account of the stops. If kick plate is also applied on interior side do not allow for stops. For pairs of doors and double acting doors, the width of the astragal or rounded stile must be deducted from the total width of door. Specify guage of metal required for all kick plates.

CREMONE BOLTS

When specifying Cremone Bolts always give the length (or height) of door and the type of strike `required; also the height of the operating lever, or knob, from the floor, which is usually forty-two inches unless the handle must be in line with other hardware trim in the same room. If Cremone Bolt is operated from both sides, give thickness of door. If lever handles are handed, specify right or left hand, taking hand from inside.

SURFACE BOLTS

Specify type of strike.

EXIT BOLTS

All details covering doors and jambs must be given. Refer to Page No. 548.

DOOR CLOSER BRACKETS

Any unusual curve of door jamb header which illustrated brackets will not fit makes it necessary to furnish full sized detail. If not available, take sheet of paper, hold against the header casing and outline. This will give an accurate template of the curve.

TURN KNOBS AND MORTISE LATCH KNOBS

When ordering turn knobs or mortise latch knobs, specify whether a 1/16-inch, 1/16-inch or flat spindle is required.

HAND AND BEVEL OF DOORS

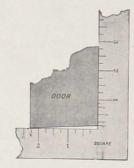
A lock indicated in this catalog as "reversible," may be used on doors of either hand, except when the edge of the door is beveled. In that event both the **hand** and the **bevel** must be specified. In all cases it is best, however, to specify the hand of a lock, in accordance with the diagrams shown on the opposite page.

RULES

- 1. The hand of a door is always determined from the **outside** (except on French doors and casement sash on which cremone bolts or casement fasteners are used, when the hand is taken from the inside).
- 2. The "outside" of an exterior door is the street or entrance side.
- 3. The "outside" of an auditorium door is the corridor or hall side.
- 4. The "outside" of a room door is the corridor or hall side.
- 5. The "outside" of a closet door is the room, corridor or hall side.
- 6. The "outside" of a bathroom door between a corridor or hall is the side from which the butts are invisible when the door is closed.
- 7. The "outside" of a single communicating door is the side from which the butts are invisible when the door is closed.
- 8. The "outside" of twin communicating doors is the space between the two doors. A sliding elevator door hand is taken from the inside, or elevator side, and is determined by the way the door slides. If it slides to the right it is a right hand; if to the left it is a left hand.

BEVELED EDGE DOORS

The lock stile (rail) of a door may be furnished with a beveled edge, in order to make the door fit more closely. The lock must have a beveled front to conform to the bevel of the door. The bevel can be determined by using a square on the edge of the door and the difference in the measurement between the outside edge and the inside edge determines the bevel, which is usually $\frac{1}{8}$ inch on 2 inches. The use of beveled front locks should be avoided if possible, as they must be made special and the hand must be given, as they are not reversible.



REVERSIBLE LATCH BOLTS

Mortise locks usually are manufactured with reversible latch bolts which can be reversed by removing lock cover and turning over the latch bolt. This permits the use of the same lock on either right or left hand doors. If locks are equipped with stop works (night works) it is also necessary to reverse the night work mechanism. The term "Reverse Bevel Latch Bolt" is involved only where the locks are not reversible.

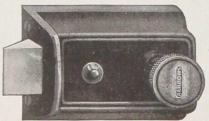
RABBETED FRONT LOCK

Mortise locks used on doors having rabbeted edges require lock fronts corresponding to the door rabbet. A rabbeted door should have a standard rabbet of one-half inch, otherwise it is necessary to make special patterns at extra cost.

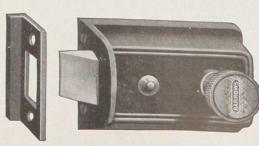
Mortise locks, whether regular or reverse bevel latch bolts, use the same strike. Rim locks use different strikes for regular and reverse bevel bolts. See cuts below.







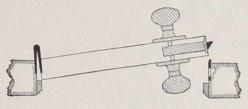
Door, opening inward, requires regular bevel bolt and strike.



Door opening outward, requires reverse bevel bolt and strike.

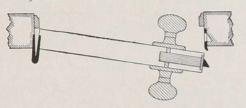
HANDS OF DOORS

MORTISE LOCKS



Left hand, regular

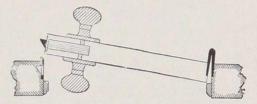
Viewed from outside, if hinged on left and opening in, it is a left hand door. A lock with a regular bevel latch bolt is used.



Left hand, reverse

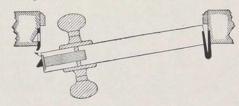
Viewed from outside, if hinged on left and opening out, it is a left hand reverse door. A lock with a reverse bevel latch bolt is used.

The mortise locks in this catalog designated as reversible can be applied on any of these doors.



Right hand, regular

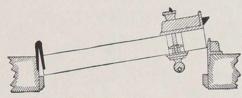
Viewed from outside, if hinged on right and opening in, it is a right hand door. A lock with a regular bevel latch bolt is used.



Right hand, reverse

Viewed from outside, if hinged on right and opening out, it is a right hand reverse door. A lock with a reverse bevel latch bolt is used.

RIM LOCKS

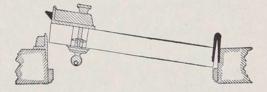


Left hand, regular

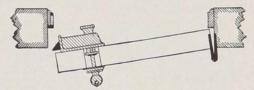


Left hand, reverse

Rim locks in this catalog designated as reversible can be applied on any of these doors.



Right hand, regular

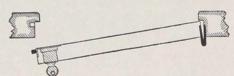


Right hand, reverse

CUPBOARD AND BOOKCASE LOCKS



Hinged on left, left hand



Hinged on right, right hand

Book-case and Cupboard Doors always open out, and as the locks are regularly made with reverse bevel latch bolt it is not necessary to specify "Reverse Bevel."

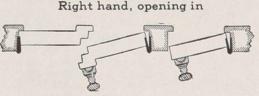
CASEMENT WINDOWS

Left hand, opening in



Pair, opening in

Opening out follow same rule.



Pair, opening in

Single, opening in

Single, opening in Casement windows are handed from inside and it is necessary to state whether they "open in" or "open out."

METALS USED IN BUILDERS' HARDWARE

Many different metals and their alloys are used in the fabrication of builders' hardware, either structurally or as a protective covering or finish coating.

No attempt will be made here to list all of the metals so employed, but the principal ones are as follows:

Aluminum, the most plentiful of all metallic elements, discovered in 1828, is a light weight, lustrous, bluish white metal which is only superficially oxidized by damp or dry air. Industrially it is used in countless ways in commercial grades ranging from 98% to over 99% pure aluminum or alloyed with other metals. In the builders hardware industry it is sometimes employed in the form of stampings or castings for finishing trim.

Brass is yellowish in color and is fundamentally an alloy of copper and zinc, although for many purposes lead and tin, and sometimes other metallic elements, are also added. There are many different formulas for brass, depending upon the purpose for which it is to be used, the copper content usually running from 60% to 75%, the zinc content from 25% to 35% and the other elements from nothing to an aggregate of $4\frac{1}{2}$ %.

Brass may be either melted and poured into molds, thus forming cast brass articles, or may be rolled into sheets from which "stamped" articles are formed in presses equipped with dies for the purpose.

Brass is very durable, readily machinable, takes a beautiful finish and makes an excellent base for plated finishes.

Most hardware manufacturers operate brass foundries for molding brass castings. Rolled sheet brass, however, is purchased in strips or coils from mills usually owned and operated by others.

Bronze is reddish in color and is fundamentally an alloy of copper and tin, although in practically all commercial bronzes zinc and lead, and sometimes nickel and other metallic elements are also added, depending upon the color, machinability, toughness or hardness required.

There are many different formulas for bronze, the copper content usually varying from 80% to more than 90%, the tin content from 2% to 11% and the aggregate of the lead, zinc, and other ingredients from 3% to 10%. One common formula is copper 85%, tin 5%, lead 5% and zinc 5%; the bronze for items used as builders' hardware finishing trim usually has a copper content of approximately 90%.

Bronze, like brass, may be melted and poured into molds to form bronze castings or may be rolled into sheets from which bronze stampings are fabricated.

Bronze is very durable, takes a beautiful finish and makes an excellent base for plated finishes.

Most hardware manufacturers operate foundries for molding bronze castings. Rolled sheet bronze, however, is purchased in strips or coils from mills usually owned and operated by others.

Refer to Page No. 45 for article on "White Bronze".

Brass vs. Bronze—Technically speaking, brass is basically an alloy of copper and zinc, and bronze an alloy of copper and tin. Commercially, however, the principal difference between them is the copper and zinc content. Yellow brass contains less copper and more zinc than commercial bronze, which accounts for the difference in color. The greater percentage of copper in bronze produces the reddish color; the greater the copper content the more pronounced the red color.

For some mechanical parts which are subject to excessive strain or wear, bronze is preferable to brass. For other purposes in connection with builders' hardware, however, the only practical difference is that of color. Our tests indicate that in practise they are equally good as an underlying base for plated finishes.

For these reasons brass is sometimes commercially referred to as yellow bronze, and where bronze metal is listed in the pages of this catalog as the metal from which various parts are made, either brass or bronze may be actually employed.

The term "Bronze" includes both brass and bronze, and in commercial practise in the builders' hardware industry it is customary to differentiate between them only in so far as color is concerned.

Cadmium is a rather soft, white, crystalline, metallic element similar in appearance to tin. It is whiter than nickel but less so than silver. It is found in nature in conjunction with several minerals, and compounds of cadmium frequently occur associated with zinc ore.

It is not employed as a structural part of builders'hardware items, but is used as a protective coating over other metals, electrolytically deposited. Refer to Page No. 46 for article on Cadmium Plating.

Chromium is a hard, tin-white, metallic element occurring in nature only in combination with other elements. The principal ore is chrome-iron ore which contains about 68% of chromic oxide, the metal being obtained by the reduction of this oxide with aluminum.

Chromium is used for many purposes, notably in the manufacture of hard steels and stainless steels and also in compounding dyes and pigments. In builders' hardware products, however, it is used principally as an electroplated finish coating over other metals. When properly so applied it produces a hard, durable, rich, tin-white finish that is becoming increasingly popular and in commercial demand is rapidly replacing nickel finishes on many hardware items.

Also refer to Page No. 46 for article on Chromium Plating.

Copper is a tough, ductile, metallic element, reddish in color, deriving its name from the island of Cypress, where it was mined extensively. It is mined in nearly all countries, especially in North and South America, and large ore deposits are found in this country in several of the Rocky Mountain states and in upper Michigan.

After the many operations of smelting and refining the ores, commercial copper is molded into different shapes to meet the special requirements of each industry using the metal. These shapes are known as "square cake", "round cake", "billet", "slab", "wire bar", "ingot bar" and "ingot", the "ingot", weighing approximately 25 lbs., being the form commonly melted in brass foundry crucibles.

Copper is available in several grades, but the grades commercially known as "Lake" copper and "Electrolytic" copper are predominantly used by manufacturers of high quality builders' hardware. Lake copper is mined in the Lake Superior district of upper Michigan. Electrolytic copper is refined by the electrolytic process and its purity runs from 99.93% upwards.

In the manufacture of builders' hardware, ingot copper is alloyed with other metals to make brass, bronze, white bronze, etc., for casting purposes. Copper is also the largest single ingredient in sheet brass and sheet bronze from which "wrought" hardware articles are stamped. Specially shaped copper bars, plates, etc., are used for anodes in copper plating and copper-containing chemicals are used in copper plating solutions.

Iron, the most useful and one of the most abundant of the metallic elements, is derived principally from ores which are chiefly oxides and carbonates. When pure it is silvery white and very tenacious, malleable and ductile. Commercially it is never pure but combined with carbon, phosphorous, silicon, sulphur, etc., with which it forms im-

METALS, Cont.

portant alloys. Steel, in all its classifications, is a compound of iron, carbon and other elements, principally iron.

Iron, aside from that contained in steel, is used in builders' hardware principally in the form of Gray Iron Castings and Malleable Iron Castings.

Gray Iron Castings contain a relatively large percentage of graphitic carbon. They are strong and comparatively light, but somewhat brittle unless carefully annealed.

In connection with builders' hardware, Gray Iron is admirably suitable for castings of many of the component parts of lock mechanisms, lock cases, some knobs and escutcheon plates, and quite a few items of so-called miscellaneous hardware.

Malleable Iron Castings are iron castings that have been rendered tough and malleable by long-continued high heating while imbedded in hematite, ferric oxide, or some other decarbonizing material, and allowed to cool slowly. In builders' hardware, Malleable Iron Castings are used where iron is desirable for certain parts that should be tougher and stronger than if made of gray iron.

Lead is a soft, heavy, inelastic, malleable, ductile, bluish-gray metallic element. It is found in some 60 different ores, only three of which are of importance, and frequently occurs in combination with silver. Lead ores occur principally in Great Britain, Germany, Spain and the United States. After smelting, lead is molded into "pigs" weighing approximately 100 lbs. or ingots of about 25 lbs. for convenience in handling.

Lead has a great many uses in many industries. In the production of builders' hardware its principal use is as an ingredient in copper alloys such as brass and bronze.

Nickel is a hard, malleable, ductile, silver-white, lustrous, metallic element almost always found associated with cobalt. The largest and really only commercial deposits of nickel are those of New Caledonia, a French possession in the Pacific Ocean; at Sudbury, Ontario, Canada; and in Norway; although lesser deposits occur in Saxony and elsewhere.

Commercial nickel is smelted and refined principally from three types of ores, namely, the sulphides of Ontario and Norway, the silicates and oxidized ores of New Caledonia, and arsenical ores of Ontario and Saxony.

Nickel appears in the market in many forms, depending upon the commercial requirements for its use. Among many other uses, it is extensively employed as an ingredient in the alloying of nickel-steel, stainless steel, white bronze, etc., and as a nickel-plated finish for a wide variety of articles.

In builders' hardware, nickel "blocks" or "shot" is alloyed with copper and other metals to produce bronze and white bronze. Nickel anodes, usually in the form of bars, are used in nickel-plating; and nickel salts are an ingredient of nickel-plating solutions.

Refer to the article on "White Bronze" elsewhere on this page and to Page No. 47 for Nickel Plating.

Nickeline-Same as "White Bronze".

Spelter is a commercial term for Zinc. Refer to "Zinc" elsewhere on this Page.

Steel is merely alloyed iron. The total amount of alloyed substances may be incredibly small and yet produce the most profound changes in the character of the iron. Steel is harder and much more elastic than cast iron.

Its many varieties are classified according to: (1) the presence or absence of slag, as, "slagless" steel or "slagbearing" steel; (2) the carbon content; as, "decarbonized" steel, "low carbon" steel, "mild" steel, "medium-carbon" steel and "high carbon" steel; (3) their alloys; as, "chrome" steel, "manganese" steel, etc., and (4) the method or process

of manufacture; as, "basic" steel, "Bessemer" steel, "crucible" steel, "open-hearth" steel, etc.

Steel is used for innumerable purposes and in many forms. In builders'hardware products the principal types used are Cold Rolled Strip Steel and Cold Drawn Rods.

Cold Rolled Strip Steel, as used for builders' hardware, is a steel of proper analysis for the intended uses that is rolled into thin sheets of predetermined thickness and smoothness of surface and from which stampings are produced. This steel is purchased in coiled form or in strips cut to various lengths, and comes in a variety of tempers or degrees of hardness to suit every purpose. Some builders' hardware items, such as lock tumblers, are made of a relatively hard cold rolled steel; and others that require embossing or deep drawing operations, such as door knobs, some designs of escutcheons plates, etc., are made of a softer steel that can be readily embossed or drawn into shapes on presses equipped with dies for the purpose.

Cold Drawn Steel Rods are made in a wide variety of shapes by extruding steel of proper analysis through a series of drawing dies. In builders' hardware, square cold drawn rod or wire is used for knob spindles, round rods in extension bolts, etc.

Tin is a white, malleable, crystalline, lustrous, metallic element rarely occurring native, but most always in combination with other elements. The principal ore is the oxide casseterite, which is always associated with granitic rocks. In workable quantities tin ores are found principally in Australia, Bolivia, China, Cornwall, Dutch East Indies and in the Malay peninsula.

After the smelting and purifying processes, tin is commercially used for a wide variety of purposes, such as for tin plate, solders, tin-foil, bearing metals, lining for cooking extensils, etc. Though rather soft itself, tin possesses the remarkable property of imparting to certain alloys a high degree of hardness. It is used in the manufacture of builders' hardware products chiefly as one of the ingredients of red bronze and white bronze.

White Bronze is an alloy of copper, nickel and zinc, to which other metals are sometimes added for special purposes. The term "White Bronze" embraces a variety of copper-nickel alloys of different analyses and known by many names, such as "nickel silver", "nickeline", "nickel-bronze", "German silver", etc. "Monel metal" contains approximately 67% nickel, 28% copper, and 5% other metals, chiefly iron, manganese and silicon.

Commercial white bronze is very hard and tough and is white with a yellowish cast. It is used for many purposes. In builders' hardware it is used for white bronze castings; and because of its qualities of hardness and toughness "nickel silver" is the metal from which keys for high grade cylinder locks are made.

Zinc is a bluish-white metallic element known to the trade as "spelter". It is found in many countries and usually occurs in combination with lead and silver. Most of the metal is recovered from "blende", the sulphide ore; although a good deal comes from the silicate and carbonate ores.

After the smelting and refining operations, spelter (zinc) is molded into slabs weighing about 50 lbs. for convenience in commercial handling. It is extensively used in the arts, as in the manufacture of brass, as the positive element in electric batteries, in the manufacture of galvanized sheets for roofing, etc.; and salts of the metal have varied uses, as the oxide in painting, and the chlorid and sulfate in medicine.

In the builders' hardware industry it is employed principally in the manufacture of the alloys known as brass and bronze; and is also used as a plated protective coating for iron and steel, electrolytically deposited. Refer to Page No. 47 for article on Zinc Plating.

FINISHES—HOW PRODUCED

Durability of Finishes-No finish on metal is absolutely permanent, each being subject to gradual deterioration by natural atmospheric oxidation and other factors.

finishes, however, are more durable than others.

The most durable finishes for builders' hardware are those produced on solid brass, bronze or white bronze in the natural color of the metal, not plated. In this classification would fall the Oil Finishes, Wax Finishes and plain unlacquered Buffed Finishes produced on solid, non-ferrous metals. This plain unlacquered finish naturally tarnishes rather rapidly after installation; consequently it should be hand polished at intervals to preserve its natural color and lustre or left unpolished if it is desired to permit natural aging of the finish. Bower-Barff is also a very durable finish if not unduly exposed to the elements.

Plated finishes are satisfactory for interior use if not subject to excessive handling or wear, but few such finishes are suitable for exterior use. Good quality chromium plating on a non-ferrous base, however, will give excellent service

on exterior hardware trim.

Finishes plated on steel or iron are the least durable of all, due to the nature of the underlying metal which is subject to

relatively rapid oxidation and corrosion.

Listed below are the principal finishes used on builders' hardware and a brief description of how these finishes are produced.

Antique Copper—The article is copper plated, then oxidized and the oxidation brushed off in spots, by means of buffing wheels treated with a fine abrasive. The items are then cleaned and lacquered. Also refer to Page No. 47 for article on "Relieved Finishes".

Bower-Barff is a black rust-resisting finish applied to steel and iron only and is not applicable to non-ferrous metals. It is named for two men, Mr. Bower and Mr. Barff, who

originally developed the process. Iron or steel items to be Bower-Barff finished are heated in special furnaces to approximately 1700° Fahrenheit, at which temperature they are cherry red in color. While at this temperature, live steam and volatile hydrocarbon liquids are injected into the furnaces for a period of several minutes. The chemical action of the combined heat, water-vapor and hydrocarbon gases on the iron or steel is such that the surface of the items being treated is oxidized and carbonized and becomes covered and impregnated with a hard, nonporous, grayish-black coating. This seals the pores of the metal and alters the texture of its surface so that it is practically impervious to moisture. After the parts are removed from the furnaces and allowed to cool, they are dipped in a special oil and wiped off. At this stage they have a bluish-black color which is the back as they have a bluishblack color which in time becomes practically dead black This beautiful black finish will last indefinitely when used under normal conditions on interior hardware trim but is not recommended for use where subject to excessive exposure to the elements or to unusual conditions of moisture.

Bower-Barff finish is more serviceable and generally more satisfactory on cast iron than on wrought steel. This is due to the greater porosity of cast iron, which permits deeper impregnation of the surface carbonization. This finish on This finish on wrought steel is quite scaly and consequently is subject to

chipping after continued use.

Brass—See following articles on the subjects of "Bright or Buffed Finishes" and "Brushed or Dull Finishes"; also "Electro Plating" on Pages 46 and 47.

Bright or Buffed Finishes can be produced on solid brass, bronze or white bronze, or on electro-plated articles.

In the case of solid, non-ferrous metals these finishes are produced by first polishing the items on polishing wheels or belts with abrasives of varying degress of fineness and then buffing them on rapidly revolving cloth buffing wheels which are treated with a buffing composition. This composition is fundamentally a grease base containing a very fine abrasive. The combined effect of these ingredients is the

imparting of a very high lustre and extremely smooth finish to the metal articles so treated. After being thoroughly cleaned, these articles may be either waxed, oil rubbed, lacquered, or left as they are for natural aging.

On electro-plated articles, bright finishes are produced by first polishing and buffing before plating and after plating again buffing with a special composition which improves the color and lustre of the plated coating. From this point they may be either waxed, oil rubbed, lacquered or left for natural aging.

We do not recommend or offer a bright, buffed finish on

plated iron or steel.

Bronze—Refer to article above on "Bright or Buffed Finishes". the article immediately below on "Brushed or Dull Finishes" and the article on Page No. 46 on "Electro-Plating" Statuary Bronze is produced by oxidizing the surface of buffed bronze articles and then scratch-brushing until sufficient oxidation has been removed to obtained the desired

Brushed or Dull Finishes such as dull brass, dull bronze or dull nickel are produced by polishing the articles on abrasive wheels, buffing with a special dull finishing compound, then wet scouring with a fine abrasive, such as pumice stone, on a revolving soft brass wire scratch-brush designed for the purpose. Steel items are electro-plated before the buffing and scouring operations.

Cadmium—Refer to article on "Cadmium" on Page 44. Among many other uses, cadmium is used as a protective covering for other metals, electrolytically deposited. connection with builders' hardware, cadmium is most frequently used as an electro-plated rust-resisting coating over iron and steel and is also used on iron, steel, brass, bronze, etc., as a base for the reproduction of certain other finishes such as Old Iron.

Cadmium is not suitable for use as a final finish coating on items subject to handling or wear, such as door knobs, grips, etc. and we do not recommend its use otherwise than

as an underlying protective plating.

Copper—Refer to "Antique Copper" above and "Electro-Plating" on Page No. 46.

Chromium—Refer to article on "Chromium" on Page 44. In builders' hardware products chromium is used principally as an electro-plated finish coating over other metals. When properly so applied it produces a hard, durable, rich, tin-white finish that is becoming increasingly popular and in commercial demand has practically superseded nickel

finishes on most hardware items.

Items to be chromium finished are nickel plated and the chromium applied over the nickel. Not always, but usually, the articles are first copper-plated before the nickel is applied. Great care must be exercised in keeping the work thoroughly clean during all plating operations, especially immediately prior to and during the application of the copper and nickel plates. If the base metal is not thoroughly clean and the copper and nickel plating not of high quality, the copper or nickel, or both, are subject to peeling, and, of course, as they peel, the chromium plate is stripped off also. Chromium does not adhere readily to iron and steel; so items made of ferrous metals are always first copper plated before the nickel and chromium plates are applied. However, chromium plated iron and steel builders hardware is none too satisfactory; so we do not recommend its use and do not offer any such items in our line. Chromium plated finishes are much more satisfactory if produced on a copper-alloy base such as brass or bronze.

For additional information on chromium plating see article

below on Electro-Plating.

Electro-Plating is a process whereby one metal is coated

with another, electrolytically deposited.

Generally speaking, electro-plating is performed in tanks or plating barrels specially designed for the purpose, which

FINISHES—HOW PRODUCED, Cont.

contain a solution or electrolyte of certain chemicals, including a salt of the metal to be deposited, and through which an electric current of proper density is passed. The current density varies with the metal to be deposited, the nature of the articles to be plated and the type of mechanical

equipment employed.

The articles to be plated are suspended in the plating solution on copper-alloy metal racks and attached to and kept in contact with the negative electrode by means of hooks on the racks. The work in process thus becomes the cathode or conducting terminal through which the current leaves

the plating solution.

To the positive electrode is connected a number of bars or plates of the same metal which is being deposited on the items to be plated. These are suspended in the plating solu-tion at intervals around the inner sides of the tank and form the anode or conducting terminal through which the current enters the solution. Metal pieces designed for this purpose are commonly known as "anodes".

The electric current passing through the plating bath causes the electrolysis or gradual decomposition of the solution (electrolyte), releasing the metal from the metal salt in the solution and depositing it upon the cathode, which is made up of the articles to be plated. Simultaneously, the "anodes" are slowly disintegrated and pass into solution, thus automatically replacing part of the metal that has been extracted from the plating bath.

The plating solution must be maintained within the limits of certain standards. To do this the "anodes" are replaced as required and chemical analyses and tests of the plating bath made at frequent intervals. Chemicals are then added

to the solution as indicated by the tests.

A peculiarity of chromium plating is that lead anodes are used—not chromium. The lead does not pass into solution in the plating bath. The chromium metal deposited on the items to be plated is all contained in the plating bath itself and is replaced frequently by the addition of chromic acid, etc., as indicated by analyses and tests. Refer to Page No. 44 for article on Chromium.

- Japan—A special black varnish, either glossy or dull, commonly known as Black Japan, is sometimes used as a protective and finish coating for iron and steel items and is the covering usually employed for cast iron lock cases. Japan is applied by dipping or spraying and the articles so treated are then baked in ovens until the japan is properly set and dried.
- Lacquer—In order to protect the finish on exposed parts of builders' hardware with a durable, non-porous, colorless covering, most items, except those in oiled, waxed, nickel or chromium finishes, are given a thin coating of transparent lacquer. It is applied by dipping, spraying or brushing, depending upon the nature of the item, and then dried in This lacquer is a nitro-cellulose product that is basically gun-cotton to which certain gums and solvents have been added.
- Nickel—Nickel plating adheres well to copper, brass and bronze but not satisfactorily to iron and steel. It thus becomes necessary to copper plate iron and steel items before applying the nickel plating. Please refer to the articles above on "Electro-Plating", "Bright or Buffed Finishes' and "Brushed or Dull Finishes" for additional information on nickel plated finishes. Also read article on Page No. 45 regarding nickel.
- Oil Finishes are obtained by the same processes as "Bright or Buffed Finishes" (see Page No. 44) up to the point of lacquering, but instead of being lacquered the article is then heated, dipped in paraffin and rubbed down with
- Oxidized Finishes—Oxidizing to produce "Statuary" finishes or "Relieved" finishes is accomplished by immersing the metal articles in a chemical bath which has the property of depositing a black coating on the items so treated.

There are several effective formulas for these oxidizing baths and different solutions are used for different types of work. Some solutions function by electrodeposition and others are simply dip washes without electric current.

The net effect of both types, however, is to blacken the hardware so treated. The surface finish of the items is then relieved by brushing, as outlined in the articles on ''Relieved Finishes'' and ''Statuary Finishes'' to be found below on this

Plated Finishes—Refer to article on "Electro-Plating" on pages 46 and 47.

Relieved Finishes—Any finish that is blackened by oxidation and part of the oxidation removed to reveal the natural color of the metal beneath, is called a Relieved Finish.

Our A42 (antique copper) is one type of relieved finish, the oxidation being brushed off (relieved) in spots to reveal the copper plating beneath and thus producing the familiar

brownish-black and copper mottled effect.

Another type of relieved finish may be illustrated by our D21 and D31 finishes which are especially adapted to embossed designs. In producing these finishes the articles are oxidized and brushed off (relieved) until the oxidation remains only in the recessed parts of the embossing. The underlying metal is then visible in its natural color, or slightly darker, on the flat surfaces and high points of the ornamentation; while the recessed or depressed portions of the ornamentation remain darkened with the oxidation. This produces a very effective contrast in shading.

Finishes such as our S21 and S31 are applied to articles having sanded surfaces. When oxidized and relieved, the finish on sanded items is considerably darker than the natural color of the metal due to the oxidation remaining in the sand

pits after the brushing operation.

- Rust Resisting Finish—(Our No. 19 on polished and No. 019 on unpolished surfaces.) This is a rich, black rustresisting finish chemically produced on iron or steel. It is similar in appearance but superior to and less expensive than genuine Bower-Barff. Articles so finished are first thoroughly cleaned and then immersed in a special rustproofing bath which chemically converts the surface of the treated articles, forming an insoluble, crystalline, nonmetallic, protective, phosphate coating. This coating is chemically combined with the base metal and becomes an integral part of the surface. This forms an excellent, rustresisting base for a final application of oil or lacquer.
- Sanded Finishes—Cast metal items to be produced in sanded finishes are polished, but not buffed, and then sand blasted with fine silica sand or steel grit. The sand or grit is forcibly projected against the surface of the articles by air pressure through nozzles in machines designed for the purpose. Sheet metal items need not be polished before the sand blasting operation.

After sand blasting, the items are thoroughly cleaned and finished in the natural color of the metal of which they are made, or electro-plated to produce other finish effects. Refer also to the last paragraph on the subject of "Relieved

Finishes" above.

Statuary Finishes-Refer to Page No. 44 for article on "Bronze".

- Waxed Finishes are produced by the same processes as "Bright or Buffed Finishes" (see Page No. 44) up to the point of lacquering, but instead of being lacquered the article is then heated and a special wax preparation applied, thoroughly brushed in, and the surplus rubbed off.
- Zinc Plating consists of coating other metals with zinc, electrolytically deposited, for the purpose of retarding corrosion. It is usually applied only to ferrous metals. Zinc is rapidly becoming more popular than cadmium for use as an underlying protective coating.

SCHEDULE AND SPECIFICATION WRITING

The selling of Builders' Hardware should be entrusted to men who are temperamentally fitted for close, careful, painstaking, detail work and who take great pride and interest in this highly specialized vocation. These men, of course, should have at their disposal attractive displays of samples, located if possible in well furnished sample rooms, suitable for the proper reception of architects and their clients as well as other prospective customers.

The Builders' Hardware man should have a broad knowledge of locks, trim, miscellaneous items, and their proper application. Next he should know how to interpret specifications and plans and be able to suggest the type of locks, design and hardware trim suitable for a particular building, as well as to make up a schedule covering all hardware required.

For the benefit of the Builders' Hardware man who may have a limited knowledge of plans and specifications, we offer the following suggestions.

First read the specifications carefully, especially those under the headings of "Hardware Carpentry" and "Metal Contractor", because frequently there are paragraphs in different parts of a specification which may affect the hardware. Some architects specify the hardware required for different types of openings by an itemized specification using a manufacturers' numbers for comparative purposes, or by giving a general description of the class of hardware required, or by stating a dollar value allowance for all hardware, complete. The last method is not satisfactory because very rarely is the allowance enough to provide for the purchase of the class of hardware in keeping with the building.

The plans are drawn showing "elevations" (view of outside walls as the building will look when complete or inside walls showing all openings and interior trim) and "floor plans" giving layout of each floor. Detailed drawings showing doors, cabinets, etc., are usually included on the original plans and when they are shown, take precedence over floor or elevation drawings. If a full size drawing is furnished it takes precedence over all other drawings. Should there be a contradiction of any consequence, the architect should be consulted before proceeding. Plans are usually drawn to a scale of 1/8-inch equalling 1 foot or 1/4-inch equalling 1 foot, which can be scaled for size, but for hardware that is manufactured to exact size, such as kick plates, push and pull bars and exit bolts, it is safer to check with the architect, contractor, or to secure measurements at the building when possible.

When you begin to "take off" hardware from plans, fewer chances for errors will occur if you establish a definite routine and follow it. For example, start with the floor plan of basement, listing exterior doors first; then follow around the basement listing all doors, cabinets and windows. Start next with the first floor, listing the main entrance door first, then follow around listing each door in main section, followed by the listing of all other doors. After doors are listed start with cabinets and follow with casement windows and double-hung windows. Use this routine for all other floors, the only exception being that when "taking off" an apartment, hotel, etc., where there is a typical arrangement either by apartments or floors, group under one heading all openings which are alike. It is advisable, when listing openings, to include them all; and under openings not in hardware contract make a note, "Not in this contract"; then if a controversy develops you are protected.

When listing different openings, fill in complete details if they are shown and it will save considerable time afterwards, especially if door closers or push bars, etc., are to be ordered. The size already would be listed on the schedule and would not have to be looked up, or if a door size should be changed without your knowledge and the hardware furnished would not fit, you could easily determine from your schedule that it was not your fault, entitling you to an "extra" if any expense was incurred.

DOOR DETAILS

Check doors for width, height, thickness, width of stile, hand; and the edge of the lock stile for type of lock front, whether flat, angle or bevel, rabbet, astragal or rounded edge. Check width and thickness, together with the projection of the door frame trim and the degree the door will open. Determine the size of butts required. The width of the lock stile will determine the backset of the lock, the size of escutcheon and knob, pull or lever, which must clear the door frame stop when door is opened and closed. The center of the keyhole, cylinder hole or knob hub should be in the center of the lock stile. Other details to check are the height, which determines the length of cremone or flush bolts, should they be required; the thickness, which determines the length of cylinder and spindle and width of lock front; and the hand, which determines the bevel required on latch bolts. Check door trim to determine length of lip of strike so that latch bolt will not come in contact with the wood. To determine the proper length of lip, draw a line on the door frame rebate from where the center of edge of door would be when

BARROWS)

closed to a point half the distance that the trim projects from the plastered wall. Note if there are any operating transoms over doors. Check sliding doors for length of run of track; also whether single or double astragal, to determine the type of lock front. Check fire doors to determine if tin clad, kalamein or metal and if fire underwriters' hardware is required.

WINDOW DETAILS

Note meeting rails where sash fasteners are applied and bottom rail and sill to see if there is space enough for standard hardware. If there are inside screens, check space between bottom rail of sash and screen to determine type of sash lift required.

FRENCH OR CASEMENT WINDOWS

Note hand and whether swing is in or out; the width and thickness of the vertical rails or meeting rails or pairs of sash; also the type of meeting rail, if rabbeted, etc. Check bottom rail and stool for casement adjusters. If cremone bolts are used, give height and detail of sill and head for strikes. Also check for height of operating knob or lever.

CABINETS

Details should be very carefully checked for projecting mouldings which are often used for adornment but necessitate larger size butts. Note latch rails and edge of doors to determine type of latch; also if doors are flush or offset and the hand or swing of door. Check drawers for thickness and band moulds in case locks are used, the thickness for length of nose and the moulds for drop of lock. Check for medicine cabinets, milk cabinets, secret doors and panels, pipe shafts, hose cabinets, switch boxes, plumbing cabinets, shoe cabinets, window seats, radiator enclosures and clothes chutes.

SHUTTERS

Check details of window casings for proper size hinges or butts to assure enough throw to allow shutters to lie against wall.

SKYLIGHTS

Check for operating skylights to determine type of operator and hinges if any are required.

TRANSOMS

Check details for information called for on Page No. 523 in order to select proper transom lifter, if to be used.

SPECIFICATION WRITING

Architects often require a complete specification for the Finishing Hardware and in order to provide this the Builders' Hardware Expert is frequently requested to recommend the hardware best suited for the work under consideration, and to prepare a complete specification showing what material will be required.

The same process of scheduling is followed and the details consulted to make sure that the hardware being specified will fit the details drawn. Where the details require special material, involving additional cost, this item should be referred to the Architect for a decision, as sometimes a slight change in the details will eliminate the extra cost.

Before listing the openings requiring hardware it is necessary that information be obtained indicating for what purpose each room will be used. This, in most cases, is shown on the plans, as the use of each room is usually determined on the preliminary drawing layout.

After listing the openings and noting their designation, the correct hardware required for each type of opening may be selected from builders' hardware catalogs, as practically every builders' hardware manufacturer catalogs his product according to function of locks and architectural periods of design for ornamental surface trimmings.

The details are then consulted so that any conditions requiring special hardware will be included in the list or schedule and to determine that the hardware selected will fit all details.

With this information noted and listed in order, it is then possible to prepare either a descriptive specification or a schedule specification.

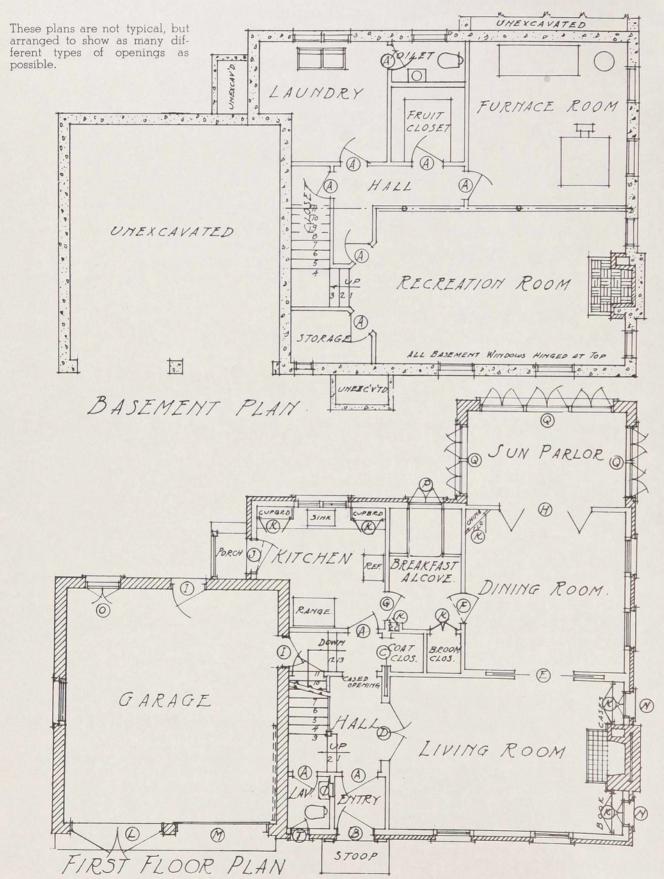
A descriptive specification does not specify the required hardware in terms of any manufacturer's catalog list numbers, but describes the hardware in complete written detail, listing the sizes, operation, design, finish and material.

In the schedule type of specification, it is necessary to show under each opening, or each character of opening, the type of hardware required, by listing some manufacturer's comparable products, by catalog numbers.

Refer to illustrative

HARDWARE SCHEDULE

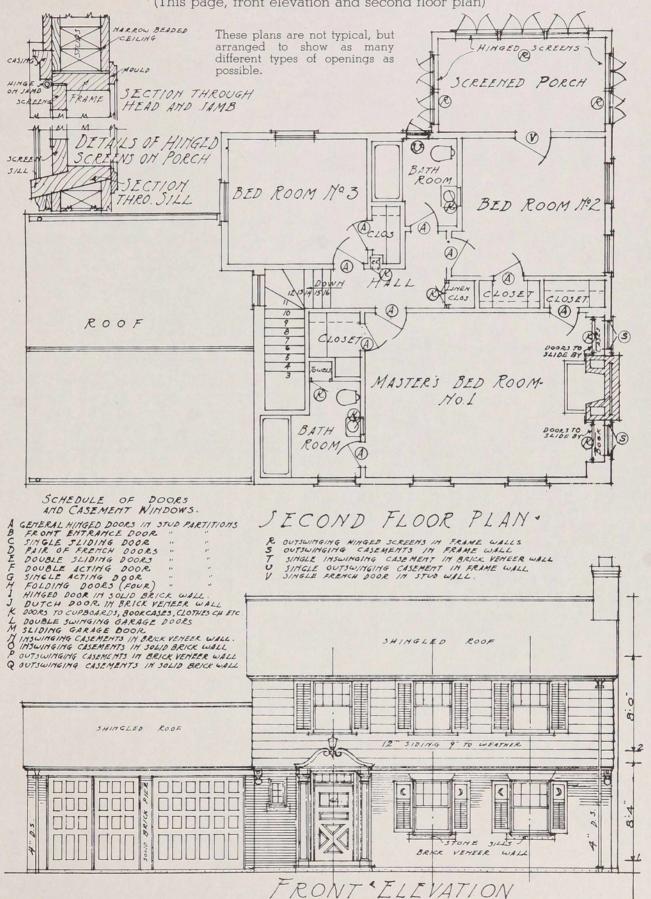
on pages 54, 55 and 56, compiled from this set of plans shown on pages 50, 51, 52 and 53. (This page, basement and first floor plans)



Refer to illustrative

HARDWARE SCHEDULE

on pages 54, 55 and 56, compiled from this set of plans, shown on pages 50, 51, 52 and 53. (This page, front elevation and second floor plan)

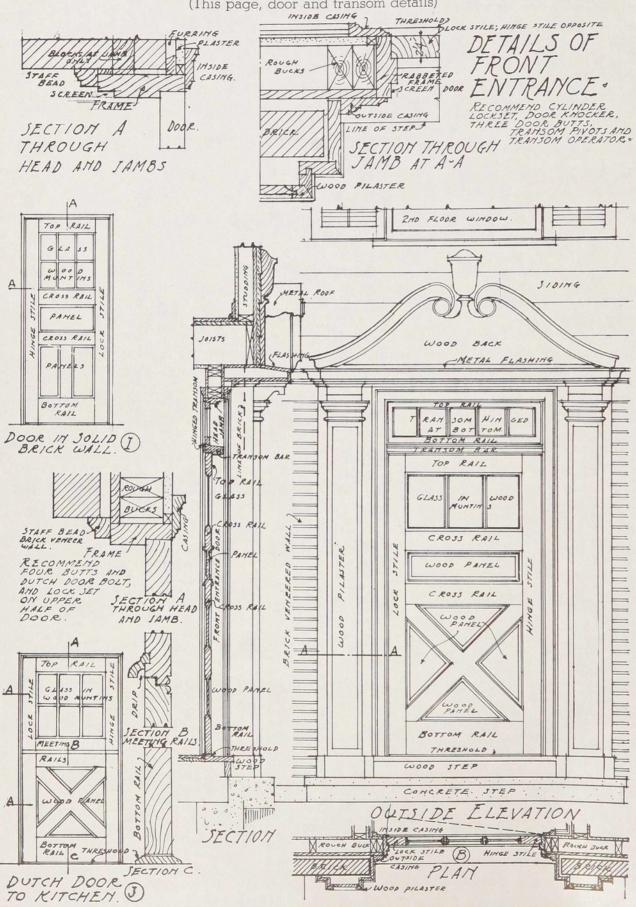


BARROWS)

Refer to illustrative

HARDWARE SCHEDULE

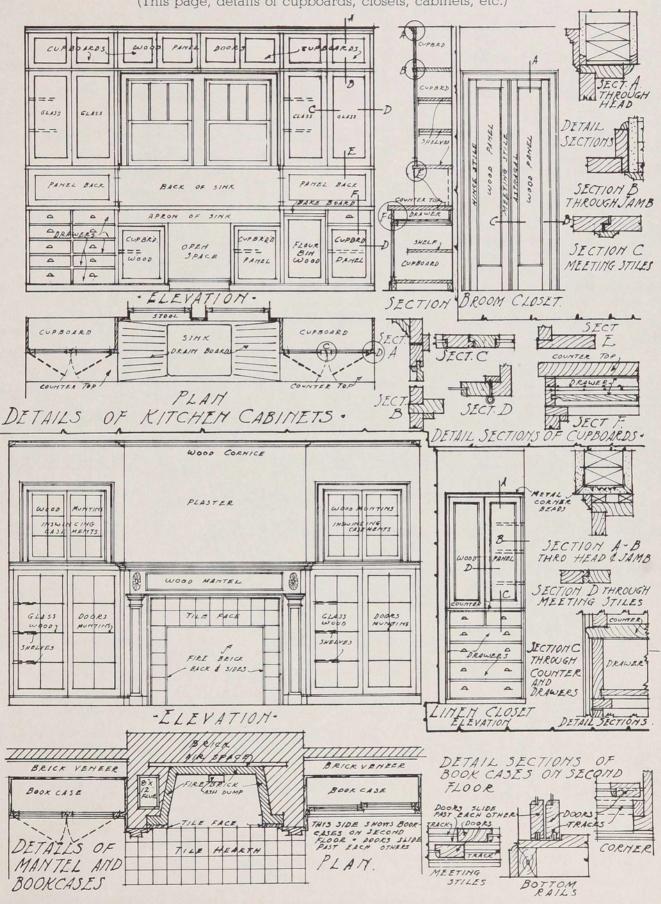
on pages 54, 55 and 56, compiled from this set of plans shown on pages 50, 51, 52 and 53. (This page, door and transom details)



Refer to illustrative

HARDWARE SCHEDULE

on pages 54, 55 and 56, compiled from this set of plans shown on pages 50, 51, 52 and 53. (This page, details of cupboards, closets, cabinets, etc.)



HARDWARE SCHEDULE

The hardware schedule compiled below and on the following two pages is a "take off" from the house plans shown on pages 50, 51, 52 and 53. These plans are not typical but are used to illustrate the proper method of tabulating openings and details of the required hardware.

HARDWARE SCHEDULE For Owner's Name Type Construction Street Address City Architect's Name Architect's Address

KEYING INSTRUCTIONS

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All Cylinder Locks to be master keyed in one set:

Main Entrance Door—Set "A"

Service Entrance Door—Set "B"

Garage Entrance Doors—Set "C"

Grade Entrance Door—Set "D"

Fruit Closet Door—Set "E"

Set "A"—Keys to act as master keys on Sets B, C, D and E. Set "B"—Keyed alike, but different from Sets A, C, D and E. Set "C"—Different from Sets A, B, D and E. Set "D"—Different from Sets A, B, C and E. Set "E"—Different from Sets A, B, C and D. 3 Only, Cylinder Lock Master Keys.

All Bit Key Locks Master Keyed in One Set—Sets "F". 3 Only, Bit Key Master Keys.
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BASEMENT
ITEM 1—1 Door, A, Recreation Room to Hall, R.H. 2'8"x7'0"x13%"x5" Stile
1½ Pr. (Insert No.) Butts, Finish
                                            " Bit Key Lockset, Finish
                     Only "
 l Only " Base Door Stop, Finish ITEM 2—l Door, A, Recreation Room to Storage, R.H.
           3'0"x7'0"x13%"x5" Stile
1½ Pr. (Insert No.) Butts, Finish
l Only " Bit Key Lockset, Finish Only " Base Door Stop, Finish ITEM 3—1 Door, A, Hall to Closet, R.H.

2'6"x6'8"x138"x5" Stile

1'2 Pr. (Insert No.) Butts, Finish

1'2 Pr. (Insert No.) Butts, Finish
                                                   " Bit Key Lockset, Finish
" Base Door Stop, Finish
                                           " Bit Key Lockset, Finish
" Base Door Stop, Finish
                      Only "Only "
 ITEM 4—1 Door, A, Hall to Laundry Room, R.H. 2'6"x6'8"x1\38"x5" Stile
            1 1/2 Pr. (Insert No.) Butts, Finish
                     Only "Bit Key Lockset, Finish
Only "Base Door Stop, Finish
l Only " "Base Door Stop, Finish

ITEM 5—1 Door, A, Hall to Fruit Closet, R.H.

2'6"x6'8"x13%"x5" Stile

1 ½ Pr. (Insert No.) Butts, Finish

1 Only " "Bit Key Lockset, Finish

1 Only " "Rim Cyl. Night Latch, Set "E", Finish

1 Only " "Floor Door Stop, Finish

Hall to Furnace Room, R.H.
ITEM 6—1 Door, A, Hall to Furnace Room, R.H.

2'6"x6'8"x13%"x5" Stile

1 ½ Pr. (Insert No.) Butts, Finish
1½ Pr. (Insert No.) Butts, Finish
1 Only "Bit Key Lockset, Finish
1 Only "Base Door Stop, Finish
1 TEM 7—1 Door, A, Laundry Room to Toilet, L.H.
2'6"x6'8"x13%"x5" Stile
1½ Pr. (Insert No.) Butts, Finish
1 Only "Turn Knob Lockset, Finish
1 Only "Base Door Stop, Finish
1 Only "Base Door Stop, Finish
1 TEM 8—4 Top Hinged Sash in Recreation Room
1TEM 9—1 Top Hinged Sash in Storage Room
1TEM 11—2 Top Hinged Sash in Laundry Room
1TEM 11—2 Top Hinged Sash in Furnace Room
9 Pr. (Insert No.) Butts, Finish
9 Only "Sash Fasteners, Finish
          9 Only " " Sash Fasteners, Finish 9 Only " " Hooks and Eyes
ITEM 12—1 Top Hinged Sash in Toilet

1 Pr. (Insert No.) Butts, Finish
1 Only " " Sash Fastener, Finish
1 Only " " Hook and Eye
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Suggest Coal Chute for Furnace Room.
Suggest Basement Stancheons.
Suggest Bell Traps.
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FIRST FLOOR

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ITEM 13-1 Main Entrance Door, B, to Entry, R.H.,
         and Transom
3'0"x7'0"x2½"x5½" Stile
1½ Pr. (Insert No.) Butts, Finish
                                                        Cylinder Lockset, Set "A", Finish
                   Only
                                              "
                  Only "
                                                       Door Knocker, Finish
Push Button, Finish
                  Only "
                                              "
                  Only "
                                              "
                                                        Letter Chute, Finish
                  Only "Only "Only "Pr. "
                                                        Numerals, Finish
                                          "Chain Door Fastener, Finish
Base Door Stop, Finish
Transom Butts or Centers, Finish
Transom Operator or Lifter, Finish
                 Pr. "
Only "
 ITEM 14-1 Service Entrance Dutch Door, J, Porch to
                                Kitchen, R.H.
                  3'0"x7'0"x134"x5" Stile
Pr. (Insert No.) Butts, Finish
2 Pr. (Insert No.) Butts, Finish
1 Only " " Cylinder Lockset, Set "B", Finish
1 Only " " Base Door Stop, Finish
1 Only " " Chain Door Fastener, Finish
1 Only " " Dutch Door Bolt

ITEM 15—1 Rear Entrance Door, I, to Garage, L.H.
3'0"x7'0"x1\frac{3}{1}xx5" Stile

1\frac{1}{2} Pr. (Insert No.) Butts, Finish
1 Only " " Cylinder Lockset, Finish, Set "C"
1 Only " " Base Door Stop, Finish

ITEM 16—1 Kalamein Door, I, Garage to Grade Entrance, L.H.
                                  trance, L.H.
trance, I.H.

3'0"x7'0"x134"x5" Stile

1½ Pr. (Insert No.) Butts, Finish

1 Only " " Cylinder Lockset, Finish, Set 'D'

1 Only " " Fusible Link Door Closer, Finish

ITEM 17—1 Door, A, Entry from Hall, R.H. R.B.

3'0"x7'0"x134"x5" Stile
          1 ½ Pr. (Insert No.) Butts, Finish
l Only " " Bit Key Lockset, Finish l Only " " Base Door Stop, Finish lTEM 18—1 Pair French Doors, D, Hall to Living
Room, R.H.

2'6"x7'0"xl34"x3" Stiles

3 Pr. (Insert No.) Butts, Finish
1 Only " " Top, Flush Bolt, Finish
1 Only " " Bottom, Flush Bolt, Finish
1 Only " " Bit Key—l ½"BS
Lockset, Finish
1 Only " " Dummy Trim, Finish
2 Only " " Base Door Stops, Finish

ITEM 19—l Door, A, Hall to Lavatory, R.H.
2'4"x6'8"xl34"x5" Stile
1½ Pr. (Insert No.) Butts, Finish
1 Only " Turn Knob Lockset, Finish
1 Only " Turn Knob Lockset, Finish
1 Only " Door Closer, Finish
1 Only " Door Closer, Finish
1 Only " Botween
Living Room and Dining Room
                                  Room, R.H.
         Living Room and Dining Room
3'0"x7'0"x1\34"x5" Stile

1 Set (Insert No.) Track and Hangers
1 Only " " Double Sliding Door
Lockset, Finish
 ITEM 21-1 Set, Two Fold Doors, H, Dining Room to
                            Sun Parlor
2'0"x6'8"x1<sup>3</sup>/<sub>4</sub>"x3" Stiles
         6 Pr. (Insert No.) Butts, Finish
                                        "Top, Flush Bolts, Finish
Bottom, Flush Bolts, Finish
         3 Only "
         3 Only "
         1 Only "
                                                 Bit Key Lockset, Finish
Dummy Trim, Finish
                                         "
         1 Only "
                                        "
             Only "
                                        u
                                                 Base Door Stop, Finish
```

Floor Door Stop, Finish

l Only "

HARDWARE SCHEDULE, Cont. (From plans on pages 50, 51, 52 and 53)

ITEM 22—I Double Acting Door, F, between Dining Room and Breakfast Alcove 2'8'x6'8'x1'y'x5' Stile 1 Only (Insert No.) Double Acting Floor Hinge, Finish 2 Only "Push Plates, Cut for Bit Key, Finish 1 Only "Bit Key Dead Lock, Finish 1 Only "Stingle Sliding Door, C, Hall to Coat Closet 26'x6'8'x1'y'x5'' Stile 1 Set (Insert No.) Track and Hangers 1 Only "Single Sliding Door Lockset, Finish 1 Trem 23—I Door, A, Hall to Kitchen, L.H. 2'8'x6'8'x1'y'x5'' Stile 1½ Pr. (Insert No.) Butts, Finish 1 Only "Bit Key Lockset, Finish 1 Only "Door Holder, Finish 1 Only "Bit Key Lockset, Finish 1 Only "Mortise Door Bolt, Finish 1 Only "Bit Key Lockset, Finish 1 Only "Friction Catches, Finish 4 Only "Friction Catches, Finish 4 Only "Knob, Finish 2 Only "Shelp Supports 1 Pr. (Insert No.) Butts, Finish 1 Only "Friction Catch, Finish 1 Only "Friction Catch, Finish 1 Only "Friction Catch, Finish 1 Only "Knob, Finish 1 Only "Knob, Finish 1 Only "Knob, Finish 1 Only "Knob, Finish 1 Only "Friction Catch, Finish 1 Only "Knob, Finish 1 Only "Friction Catch, Finish 1 Only "The Supports, Finish	Bath, L.H. 2'8"x6'8"x134"x5" Stile 1½ Pr. (Insert No.) Butts, Finish 1 Only " Turn Knob Lockset, Finish 1 Only " Base Door Stop, Finish ITEM 45—2 Doors, A, Master's Bed Room No. 1 from Closets, 1 R.H. R.B.—1 L.H. R.B.
11 Drawers, 7%" 15 Pr. (Insert No.) Butts, Finish 1 Pr. " Butts, Finish 6 Only " Elbow Catches, Finish 9 Only " Cupboard Turns, Finish 12 Only " Drawer Pulls, Finish ITEM 31—Broom Closet in Breakfast Room 1 Pr. Doors, K, 17%" 3 Pr. (Insert No.) Butts, Finish	ITEM 44—1 Door, A, Master's Bed Room No. 1 to Bath, L.H. 2'8"x6'8"x1\frac{3}{4}"x5" Stile 1 \frac{1}{2} \text{Pr. (Insert No.) Butts, Finish} 1 Only " " Turn Knob Lockset, Finish 1 Only " " Base Door Stop, Finish ITEM 45—2 Doors, A, Master's Bed Room No. 1 from
1 Only "Botton Bolt, Finish 1 Only "Cupboard Turn, Finish ITEM 32—Clothes Chute Door, K, in Breakfast Alcove, 7/8" 1 Pr. (Insert No.) Butts, Finish 1 Only "Cupboard Turn, Finish WINDOWS ITEM 33—2 Double Hung Windows in Living Room	
ITEM 34—2 Double Hung Windows in Dining Room 4 Only (Insert No.) Sash Fasteners, Finish 8 Only " " Sash Lifts, Finish 4 Doz. " " Stop Screws and Washers, Finish	from Screened Porch, L.H. R.B. 2'8"x6'8"x134"x3" Stile 1½ Pr. (Insert No.) Butts, Finish 1 Only " Turn Knob Lockset, Finish

HARDWARE SCHEDULE, Cont.

(From plans on pages 50, 51, 52 and 53)

CABINETS

ITEM 49-Linen Cabinet in Hall 1 Pr. Doors, K, 11/8" 6 Drawers

2 Pr. (Insert No.) Butts, Finish 1 Only " " Top Bolt, Finish
1 Only " " Bottom Bolt, Finish
1 Only " " Cupboard Turn, Finish
10 Only " " Drawer Pulls, Finish

ITEM 50-Clothes Chute Door in Hall, 7/8" 1 Pr. (Insert No.) Butts, Finish 1 Only "

" Friction Catch, Finish
" Knob, Finish 1 Only "

ITEM 51-Book Cases in Master's Bed Room No. 1 2 Double Sliding Doors, K, 7/8"

16 Ft. (Insert Nos.) Show Case Track
8 Only " " Show Case Sheaves
4 Only " " Flush Pulls, Finish
32 Ft. " " Pilaster Strip
24 Only " " Shelf Supports

ITEM 52—Towel Cabinet in Bath l Single Door, K, 1 1/8"
l Pr. (Insert No.) Butts, Finish
l Only " " Cupboard Turn, Finish 1 Only "

ITEM 53-2 Medicine Cabinets in Baths

2 Single Doors, 7/8"
2 Pr. (Insert No.) Butts, Finish
2 Only "Friction Catches, Finish
2 Only "Knob, Finish

WINDOWS

ITEM 54-2 Pr. Casement Windows, S, Master's Bed Room No. 1

R.H., Outswinging, 1¾″ 4 Pr. (Insert No.) Butts, Finish 2 Only " Top Bolts, Finish "Top Bolts, Finish

Bottom Bolts, Finish

Casement Fasteners, Finish

Adjusters, Finish 2 Only " 2 Only " 4 Only " " Casement Adjusters, Finish

ITEM 55-1 Single Casement Window, U, Bathroom

R.H., Outswinging, 134"

1 Pr. (Insert No.) Butts, Finish
1 Only " Casement Fastener, Finish
1 Only " Casement Adjuster, Finish

ITEM 56-1 D-H Window, Stair Hall

ITEM 57-2 D-H Windows, Master's Bed Room No. 1

ITEM 58-2 D-H Windows, Bed Room No. 2

ITEM 59—2 D-H Windows, Bed Room No. 3
7 Only (Insert No.) Sash Fasteners, Finish
14 Only " " Sash Lifts, Finish
7 Doz. " " Stop Screws and Washers, Finish

ITEM 60-1 D-H Window, Bath

1 Only (Insert No.) Sash Fastener, Finish 2 Only " " Sash Lifts, Finish 1 Only " " Stop Screws and Washers, Finish

ITEM 61-7 Pr. Hinged Screens, R, in Screened Porch Outswinging

14 Pr. (Insert No.) Hinges, Finish
7 Only " " Top Bolts, Finish
7 Only " " Bottom Bolts, Finish
7 Only " " Fasteners, Finish 7 Only "

ITEM 62-26 Top Hung Screens

26 Sets (Insert No.) Screen Hangers, Finish 26 Pr. "Screen Adjusters, Finish

ITEM 63—10 Single Hinged Screens in Outswinging Casement Window Openings

10 Pr. (Insert No.) Butts, Finish Fasteners, Finish 10 Only "

ITEM 64-1 Combination Screen Door, Main Entrance,

R.H. R.B. 3'0"x7'0"x1 1/8"x5" Stile 1 ½ Pr. (Insert No.) Butts, Finish Cylinder Screen Door Lockset, Finish, Set "A" Only " " Screen Door Closer, Finish 1 Only "

ITEM 65-1 Screen Door Service Entrance, Porch to Kitchen, R.H. R.B.

ITEM 66-1 Screen Door, Garage, from Grade Land-

ing, L.H. R.B. 2 Pr. (Insert No.) Butts, Finish 2 Only "Screen Door Catches, Finish 2 Only "Screen Door Closers, Finish

ITEM 67-4 Pr. Shutters in Brick Wall 4 Sets (Insert No.) Shutter Hinges, Finish 4 Sets " " Shutter Fasteners, Finish 4 Pr. " Shutter Holders, Finish

TTEM 68—7 Pr. Shutters in Frame Wall
7 Sets (Insert No.) Shutter Hinges, Finish
7 Sets "Shutter Fasteners, Finish
7 Pr. "Shutter Holders, Finish

ITEM 69-Miscellaneous 6 Only (Insert No.) Hand Rail Brackets, Finish

GARAGE

ITEM 70-1 Pr. Hinged Doors, 21/4"

ITEM 71—1 Single Sliding Door, M, 13/4" 2 Pr. (Insert No.) 24" Hinges, Finish 18" Hinges, Finish Foot Bolt, Finish Chain Bolt, Finish Door Holders, Finish 1 Only " 1 Only " "

2 Only " l Only " Thumb Latch, Finish " Door Pull, Finish

l Only " Cylinder Dead Lock, Finish, Set "C" Track 16 Ft.

l Only " 2 Only " Curve End Brackets 6 Only " Center Brackets 2 Only " Hangers l Only " Flush Pull " Door Pull

l Only " " Guide Roller 1 Only " Cylinder Sliding Door Lock, Finish, Set "C"

WINDOWS

ITEM 72—1 Pr. Casement Windows, O

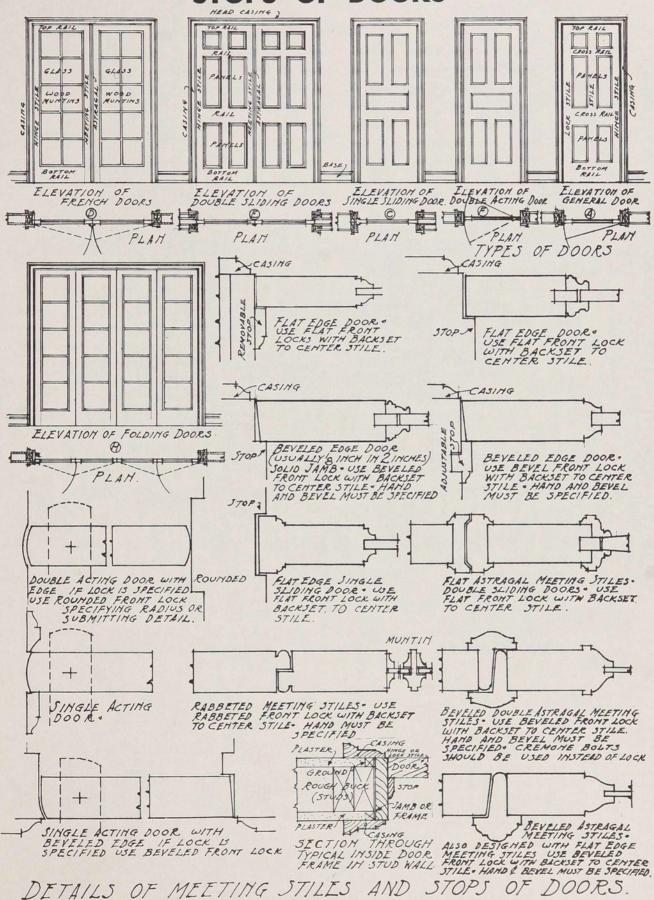
R.H., Inswinging, 134"

2 Pr. (Insert No.) Butts, Finish
1 Only " " Top Bolt, Finish
1 Only " " Bottom Bolt, Finish
1 Only " " Casement Fastener, Finish
2 Only " " Casement Adjusters, Finish

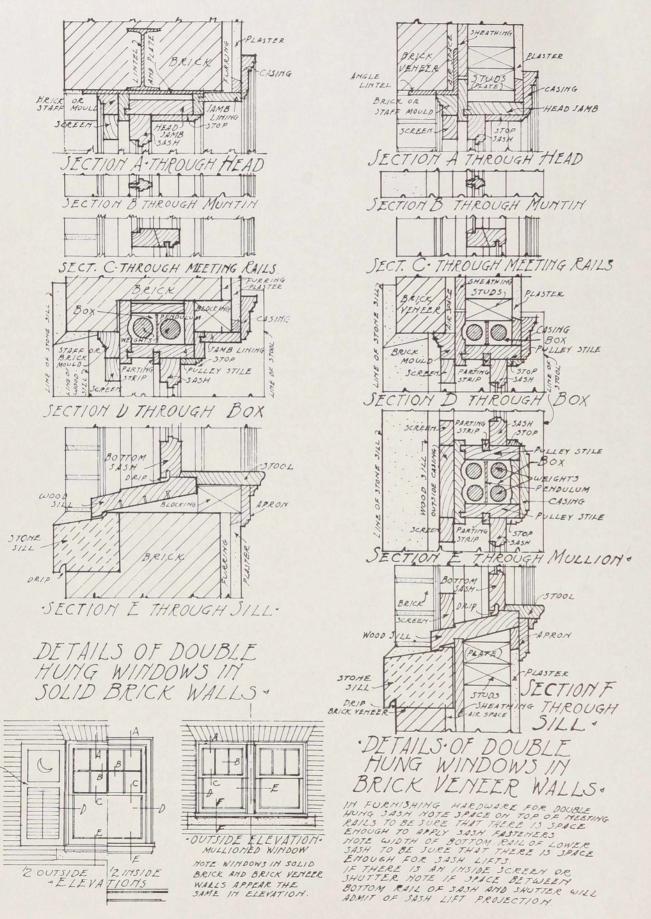
ITEM 73-1 DH Window

1 Only (Insert No.) Sash Fastener, Finish 2 Only "Sash Lifts, Finish

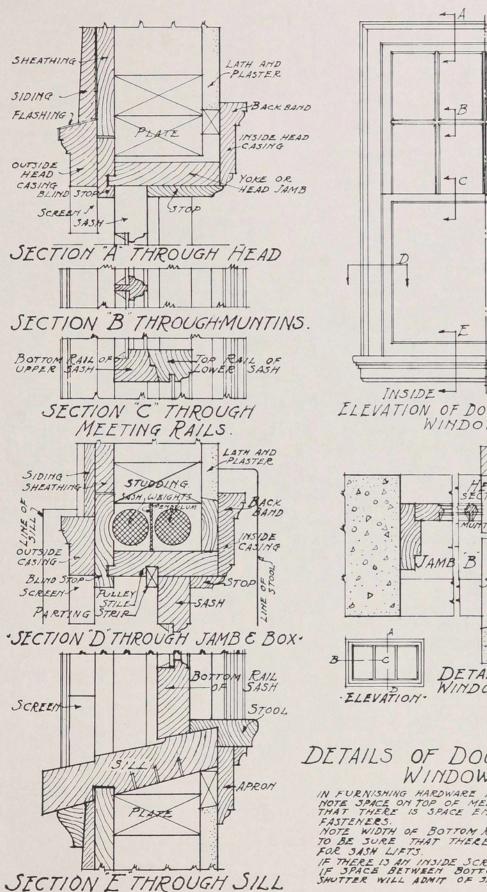
DETAILS OF MEETING STILES AND STOPS OF DOORS

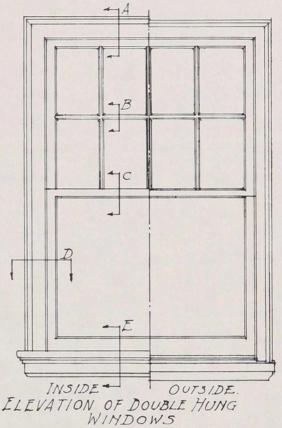


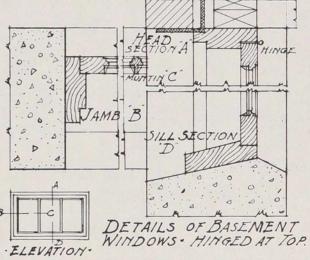
DETAILS OF DOUBLE HUNG WINDOWS



DETAILS OF DOUBLE HUNG WINDOWS







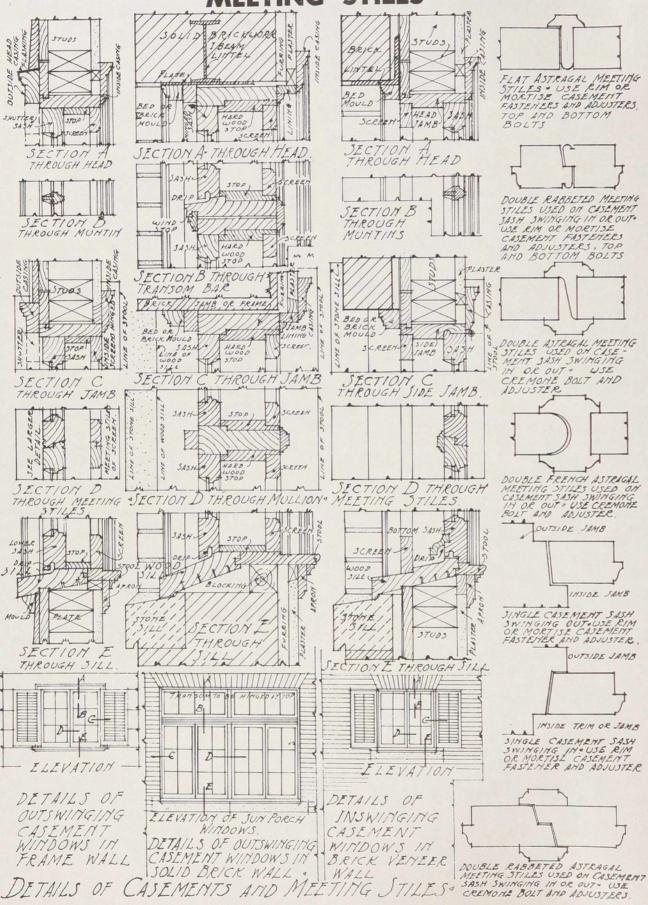
DETAILS OF DOUBLE HUNG WINDOWS.

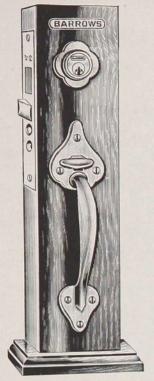
IN FURNISHING HARDWARE FOR DOUBLE HUNG SASH NOTE SPACE ON TOP OF MEETING RAILS TO BE SURE THAT THERE IS SPACE ENOUGH TO APPLY SASH FASTENERS.

NOTE WIDTH OF BOTTOM RAIL OF LOWER SASH TO BE SURE THAT THERE IS SPACE ENOUGH FOR SASH LIFTS.

IF THERE IS AN INSIDE SCREEN OR SHUTTER NOTE IF SPACE BETWEEN BOTTOM RAIL OF SASH AND SHUTTER WILL ADMIT OF SASH LIFT PROJECTION

DETAILS OF CASEMENT WINDOWS AND MEETING STILES





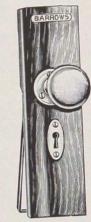
Block for Mounting Complete Locksets Nos. 1 to 7

MOUNTED SAMPLES

One of the most important factors in selling merchandise is to create in the prospective purchaser the desire to possess the particular articles, or brand of articles, the seller has to offer.

In solid support of advertising or publicity programs designed to attract and interest prospective customers, every builders' hardware dealer should maintain an attractive, well kept, physical display of representative items in the lines he carries. This is an invaluable aid in minimizing sales resistance and crystallizing customer interest into actual sales.

For sample-room display purposes, we are prepared to furnish at small cost the beautiful display panels and blocks listed below, on which to mount any items in the BARROWS line. Our representatives will gladly assist you in establishing or rounding out this very important feature of your merchandising plan.



Panel for Mounting Trim

FINISH SAMPLE BOARDS

Standard size of board, 143/"x93/8"x1/2", with twenty-four small metal plates of standard finishes. Specify finishes required.

SAMPLE BLOCKS WITH BASE—Without Samples

*Finished in Dark Mahogany or White Enamel

Number	Size, Inches	Suitable For
1 2 3 4 5 6 7	8x3 xl ½ 10x4½xl 3/8 12x5 xl 3/4 15x5 xl 3/4 18x5 xl 3/4 20x5 xl 3/4 25x5 xl 3/4	French window and screen door sets Inside locksets Inside locksets with large escutcheons Front door locksets Entrance handle locksets Entrance handle locksets Entrance handle locksets

^{*}Suffix to Number, "DH" for dark mahogany and "WE" for white enamel finish.

SAMPLE PANELS WITH EASELS—Without Samples

Finished in Dark Mahogany or White Enamel

Number	Size, Inches	Suitable For
10 11 12 13 14 15 16 17	13 x10½x½ 938x 3 x½ 10 x 3 x½ 10 x 4 x½ 1434x 4 x½ 15½x 4 x½ 18 x 4 x½ 20 x 4 x½ 25 x 5 x½	Miscellaneous Knob and small escutcheon Knob and small escutcheon Knob and wide escutcheon Knob and large escutcheon Knob and large escutcheon Entrance handles Entrance handles Entrance handles

Suffix to Number, "DH" for dark mahogany and "WE" for white enamel finish.

Sample blocks and panels may be purchased at reasonable prices, with or without mountings, plus price of mountings as above. There will be no charge for labor cost of mounting hardware on blocks.

CHARGES FOR MOUNTED SAMPLES

Complete samples which are in commercially usable condition, mounted or unmounted, will be charged at regular prices. Incomplete samples (which are incomplete and not commercially usable), mounted or unmounted, will be charged at fifty per cent of regular prices.

EXPLANATION OF SYMBOLS AND NUMBERING SYSTEM

Lock numbers consist of three digits and when used in sets are the last three digits of the set number. This rule applies to all lockset numbers except when locksets have special strikes for a metal door.

The special metal door strike used by metal door manufacturers is a Number 9 strike and when specified in set number, the 9 is prefixed to the lock number, making it necessary to use the last four digits in a set number to indicate the lock number used in the set. Refer to Page No. 280.

Knob symbol numbers are prefixed to the lock number to indicate the size and type of the knob used in the set, except where locksets are packed regularly with one type and size of knob. In this case there will be no prefix used.

Symbol "A" prefixed to a lockset number designates any 1¾-inch cast, one-piece wrought metal or glass knob.

Symbol "B" prefixed to a lockset number designates any 2-inch cast, one-piece wrought metal or glass knob.

Symbol "C" prefixed to a lockset number designates any 2½-inch cast, one-piece wrought metal or glass knob.

Symbol "D" prefixed to a lockset number designates a 21/4-inch two-piece metal knob.

Symbol "E" prefixed to a lockset number designates a 21/4-inch plain wrought top, cast-shank metal knob.

Symbol "F" prefixed to a lockset number designates any 2½-inch cast metal knob.

Symbol "G" prefixed to a lockset number designates any 3-inch cast metal knob.

Glass knobs have prefixed letter symbols which designate the class and design of the knob.

If the glass knob symbol is followed by the letter "P", the glass is polished, or by the letter "F", the glass is fire polished.

The size of the glass knob is determined by the size symbol prefixed to the knob symbol; e.g., Glass Knob ARF. The first A designates a 134-inch knob. The second letter "R" designates the design of the knob, and the third letter F designates that the glass is fire polished. If a letter P is used instead of the letter F, the glass is polished.

Spindle mountings, other than those furnished regularly, are designated by suffixing the letter of the mounting required. Refer to Page 415.

Lever handles, both sides, in locksets are designated by prefixing the Symbol "L" to the set number.

Master-keyed locks are designated by suffixing the Symbol "MK" to the lock number.

Grand master-keyed locks are designated by suffixing the Symbol "GMK" to the lock number.

Rabbeted front locks are designated by suffixing the Symbol "R" to the lock number.

Handed locks (not reversible) are designated by the Symbol "RHR" (right hand reverse), "LHR" (left hand reverse), "RH" (right hand) or "LH" (left hand).

Bath locksets packed with half trim are designated by suffixing Symbol "1/2" to bath set number.

Locks ordered with beveled fronts will be furnished with standard bevel (1/8-inch on 2-inch) unless otherwise specified.

Diamond spindle turn knob applied to an escutcheon is designated by suffixing, x No. 22 or x No. P22 to the escutcheon number.

Flat spindle turn knob applied to an escutcheon is designated by suffixing, x No. 23 or x No. P23 to the escutcheon number.

For other type turn knobs suffix turn knob numbers, shown on Page No. 430.

Bit key lock numbers ending in numeral 1 are one tumbler locks.

Bit key lock numbers ending in numeral 3 are three tumbler locks.

Bit key lock numbers ending in numeral 4 are four tumbler locks.

Bit key lock numbers ending in numeral 7 are turn bolt locks.

Symbol "S" prefixed to entrance door handle sets designates that the sets are sectional trim.

Symbol "S" prefixed to inside sets designates that the sets are sectional trim. Used only when the design is manufactured with both elongated escutcheons and sectional trim.

Symbol "A," "B" or "C" prefixed to entrance door handle locksets designate different size handles or escutcheons than regular.

GLOSSARY

HARDWARE AND ARCHITECTURAL TERMS

Active Door • The door of a pair of doors, which opens first.

Anti-friction Latch Bolt • The latch-bolt of a lock, when provided with a device for diminishing the sliding friction of the bolt during the closing of a door.



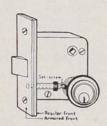
A small additional latch connected with reqular latch bolt. It engages the strike and retracts the regular latch.

Apron • The finishing board applied below the window stool.

Architectural Drawing • A geometrical representation of a building in plan, elevation, section, or perspective; including details of construction, design and decorative treatment.

Architrave of Door or Window . The moulded finish around the opening.

Armored Front • A lock front for cylinder locks, consisting of two laminated plates, the under one of which is permanently riveted or screwed to the lock case and the outer plate secured to the under plate by means of screws. The outer plate is applied after the



the installation of the lock and the painting of the door are completed, and serves two purposes; namely, the protection of the finish of the lock front during the painting processes, and as a guard or "armor" which covers, and prevents tampering with, the cylinder set-screw.

Astragal • A molding, usually half round, applied to the abutting edges of a pair of double or folding doors to break and cover the line of juncture.

Astragal Front • A lock front having a form coinciding in shape with the edges of a door having an astragal molding.

Astragal Strip • A molding applied to the surface of the active door of a pair of doors; overlapping the edge so as to conceal the abutting edges of the two doors.

Auxiliary Latch Bolt (Guard Latch) • A latch bolt separate from the regular latch bolt which remains retracted when the door is closed and automatically deadlocks the regular latch against end pressure.

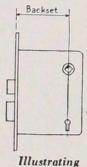


Auxiliary Spring

Auxiliary Spring • A spring-operated hub device, applied under a rose or escutcheon, used to supplement the power of the regular lock hub spring in order to hold a lever handle in a horizontal position.

Back-Band • The outside member of a window or door casing.

Backset (of lock) • The horizontal distance from the face of a lock front to the center line of the cylinder, key hole or knob hub. On locks with beveled fronts this measurement should be taken from the center of the face; and on rabbeted front locks from the center of the lower step of the face.



Baseboard • The finishing board covering the wall where the wall and floor meet.

Backset

Bay Window • A window structure of angular plan (not curved), projecting outward from a wall and reaching to the ground. Refer to "Bow Window" and "Oriel Window" for distinguishing features.

Bevel of Bolt • A term used to indicate the direction in which the bevel of the latch bolt is inclined; "regular bevel" commonly indicating a lock for use on a door opening inward and "reverse bevel" one for a door opening outward.

Bevel of Door • The angle made by the edge of a door with the sides of the lock stile, if other than 90°. Any inclination from a 90° angle is known as the "bevel". The bevel normally used is an inclination of 1/8-inch to each 2 inches of door thickness (commonly referred to as "1/8-inch on 2") and is called "regular bevel". Any deviation would be a special bevel.

Bevel of Lock Front • The angle of the front of a mortise lock, when inclined at other than a right angle to the case, to conform to the angle of the edge of the door.

Bit (of a key) • A projecting blade which engages with and actuates either or both the bolt and tumblers of the lock. Synonymous with Wing.

Bit-key Lock • One operated by a key having a Wing Bit.

Bitting • A cut or indentation on that part of a key which acts upon and sets the tumblers.

Bow Window • A window of curved (not angular) plan, projecting outward from a wall and reaching to the ground. Refer to "Bay Window" and "Oriel Window" for distinguishing features.

Box Strike • One in which the aperture to receive the bolt is enclosed or boxed.

Buck • The rough base of a door frame.

HARDWARE AND ARCHITECTURAL TERMS

- Builders' Finishing Hardware A term to designate the locks, hinges and other metallic trimmings used on buildings for protective and decorative purposes; as distinguished from "Rough Hardware", which includes such building items as nails, screws, coal chutes, joist hangers, registers, ash pit doors, stanchions, sash weights, sash cord, sash chain, pulleys, etc.
- **Butt** (An abbreviation of the term Butt Hinge). A hinge intended for application to the butt or edge of a door, in contradistinction to a flat or strap hinge for application to the surface of a door.
- Cam A rotating piece, either non-circular or eccentric, used to convert rotary into reciprocating motion; e.g., the wing of a bit key or a cylinder cam, which convert rotary into rereciprocal motion when actuating the bolts of a lock.
- Cap (of a lock) The removable lid of a lock case. Also called "cover."
- Case (of lock) The box-like metal container for the bolts and other mechanism of a lock. In giving dimensions the vertical should be stated first and the horizontal second.
- Casement A window (sash) hinged in a frame to open horizontally in or out.
- Casing The frame work around a door or window.
- Chafing Strip of Sliding Doors A vertical strip used with sliding doors to close the wall pocket opening when a door is either in a completely opened or closed position. Also used at bottom of doors to keep the doors in alignment with the overhead hangers.
- Changes The different key combinations in locks.
- Change Key The key of a lock which differs from all the others of the same series and will operate its own lock only.
- Clevice A metal loop fastened to a padlock for attaching a chain.
- Communicating Door Lock A lock, usually having a latch bolt and two dead bolts, one dead bolt of which is controlled by turn knob or key from one side only, and the other dead bolt from the opposite side only, each independently of the other.
- Compensating Hub A lock hub having an elongated spindle-hole to compensate for the shrinking and swelling of a door and to prevent derangement of the lock and binding from other causes.

- Corner Bead A metal bead built into plaster corners to prevent the breaking of the plaster.
- Cremone Bolt A fastening for French windows (doors) or casement windows, arranged for application to the surface, consisting of two vertical sliding rods controlled by a lever handle or knob. Rotation of the lever or knob causes the rods to slide in opposite directions, engaging in strikes at the top and bottom.
- Curved Lip Strike The lip of a strike, curved to conform to a detail, to protect door casings and to prevent the catching of wearing apparel on the projecting lip.
- Cylinder A cylindrically shaped device containing the key-controlled mechanism and cam or spindle for actuating the bolts of a so-called cylinder lock. It is a separate mechanism from the lock proper but is a unit assembly with the lock.

A cylinder consists of a case or "shell" which houses a rotating "plug" on the end of which is a cam for actuating the lock bolts. Small holes of proper diameter are drilled vertically into the "shell" and extend through the upper part of the "plug" into the keyway which is milled lengthwise through the "plug." Into each hole is inserted a small phosphor-bronze coiled spring and two pins or "tumblers" which prevent the rotation of the "plug" except when operated by the key. The two pins in each hole are assembled end-to-end and the spring placed in the shell above the upper pin. The lengths of the pins in each hole vary so that the abutting ends of the pins are located at different intervals in the various holes. The notches or "bittings" in the keys are of varying depths and so correlated with the pins that when the key is inserted into the keyway each pin is lifted against the spring pressure until the abutting ends of all pins are exactly in line and even with the periphery of the "plug," which coincides with the juncture of the "plug" and "shell." The key may then be turned, rotating the "plug" and the cam, thereby actuating the lock bolts. When the "plug" is thus rotated, the springs and the upper pins, known as "driver" pins remain in the "shell" while the lower pins pins, remain in the "shell"; while the lower pins stay in the "plug." When the "plug" is then returned to its normal position and the key withdrawn, the springs force the tumblers (pins) downward until part of each upper pin pro-trudes from the "shell" into the "plug," thereby preventing the rotation of the "plug" until the proper key is again inserted.

A standard cylinder for door locks is one not less than $1\frac{1}{8}$ inches in diameter (back of the head) and having not less than five pin tumblers. The normal length is $1\frac{1}{4}$ inches (back

HARDWARE AND ARCHITECTURAL TERMS

of head and including the cam) but the length may vary to properly fit the combined thickness of door and hardware trim, etc. By the addition of correlated variations in the section of the milled key way and by increasing the number of tumblers, the number of possible different key changes is almost without limit.

The design of various sections of the modern paracentric key way is such as to render the "picking" of a cylinder very difficult. This, coupled with the many possible keying combinations, makes the cylinder type of lock construction the most secure and most flexible of any yet devised.

Cylinders are of two general types, "mortise cylinders" for use with mortise locks and "rim cylinders" for use with rim locks. Refer to page No. 406 for illustrations of cylinders.

- Cylinder Collar A decorative plate placed under the head of a cylinder.
- Cylinder Lock Any lock equipped with a "cylinder" to actuate its bolts. Please refer to "Cylinder" on pages 64 and 274.
- Cylinder Ring A rose or washer, placed under the head of a cylinder to permit the use of a long or standard cylinder on a thin door.
- Cylinder Screw The set screw in the front of a mortise lock to prevent the unscrewing of a cylinder.
- Dead Bolt A lock bolt, usually rectangular in shape, which is thrown into positively locked projected or retracted positions by means of keys or turn knobs.
- **Dead Lock** A lock with a dead bolt only, controlled by key from either side or by key from one side and turn knob from the other side.
- **Details or Detail Drawings** Separate detailed drawings, drawn to scale, of sections or openings not clearly defined on the general plans.
- **Dimensions** When more than one dimension is given, the first dimension listed is the vertical or length and the second the horizontal or width.
- **Dormer** A structure projecting from a sloping roof, usually to accommodate a window.
- **Double Hung Window** (Sash) A window with two vertical sashes sliding up and down.
- **Double-Throw Bolt.** A bolt controlled by mechanism which permits of extra projection or "throw" of the bolt.

- **Dummy Cylinder** An imitation cylinder which can be attached to a cylinder collar or escutcheon for use as dummy trim.
- Dummy Trim Trim only, without lock or working parts, applied to the inactive door of a pair of doors and matching the trim on the active door. This is for the purpose of balancing the hardware ornamentation on a pair of doors.
- **Drop** The distance from the front edge of selvage to the center of cylinder or keyhole in cabinet locks.
- **Drop Key Plate** A key plate or escutcheon having a swinging cover to protect the keyhole.
- Dust Proof Strike A strike with spring controlled shutters which automatically close the strike opening when the lock bolts are withdrawn.
- **Dutch Door** A door cut horizontally through the lock rail so that the upper part of door may be opened independently of the lower door.
- Easy Spring A term used to designate the construction of a knob lock in which two springs are employed, one of which (the easy spring) acts only on the latch bolt, while the other acts directly or indirectly on the knob spindle. Motion of the latch bolt is opposed by the easy spring only, while both springs give resistance to the rotation of the knobs, thus giving a lively action to the knobs while permitting the door to close easily.
- Electric Strike (Electric Door Opener). A lock strike equipped with an electrically controlled retracting device operated by push buttons in various locations throughout a building, usually in each apartment of an apartment house. By pressing the electric push button a small electro-magnet retracts a section of the strike, thus releasing the lock bolts and permitting the door to open.
- Elevations Drawings showing the vertical design or construction of the exterior or interior walls of a building.
- Ellipsoid Knob A door knob of oval design.
- Escutcheon Any ornamental plate.
- Escutcheon Knob A door knob containing a keyhole for the key which actuates the lock or controls the rotation of the knob.
- Escutcheon Plate A protective metal plate, applied to the surface of the lock stile, with or without cylinder hole or keyhole but with knob socket.

HARDWARE AND ARCHITECTURAL TERMS

- Espagnolette Bolt (Bar) A fastening for French windows (Doors) or casement windows, arranged for application to the surface, consisting of rotating rods extending from the top to the bottom, with hooks at each end which engage with pins or plates in the window frames when the bar is rotated and having a hinged handle near the center whereby the bar may be rotated to fasten or release the sash.
- Face (of lock) The front surface of a lock 'front."
- Fenestration The distribution or arrangement of the windows in a wall.
- Finial The ornamental termination of a pinnacle.
- Flashing The sheet metal work to prevent leakage over windows, doors and around chimneys.
- Floor Plan The horizontal section through a building showing arrangement or layout of each floor.
- Fence A projection in a lock, usually attached to the bolt, which engages with the tumblers and enters or passes through the "gating" of the tumblers when the bolt is actuated.
- French Escutcheon A small circular key-plate secured by driving or screwing into the wood.
- French Shank• A term commonly used to designate a thin, shaped, cast, forged or machined knob shank. The shape varies somewhat in different manufacturers' lines.
- French Spring A heavy type of spring which is usually applied to the hub of a lock, intended to offset the over-balancing effect of the lever handle and thereby relieving the strain which would otherwise be thrown on the sensitive spring of the latch bolt.
- French Window A window mounted on hinges to swing like a door. A casement window extending to the floor.
- French Window Lock A mortise knob lock with a narrow backset, for use on French windows or doors with narrow stiles.
- Front (of lock) The face plate of a mortise lock through which the ends of the bolts are projected.
- Front Door Lock A lock designed for use on residential entrance doors. This term is usually applied only to locks whose latch bolts are controlled by knobs from both sides, although, in a stricter sense, locks for this purpose having thumb lift latch control would also fall in this classification. The dead bolts of Front Door Locks are controlled from the outside by key only and from the inside by key or turn knob.
- Gating The opening in the tumbler of a lock into or through which the 'fence' passes to release the bolt or permit its movement.

- **Grille** A protective screen of open metal work, either wrought or cast, sometimes highly ornamental.
- Guard Lock One which guards or checks another lock; especially that part of the mechanism of a safe deposit lock which is controlled by the attendant's key, and which checks or guards the other part of the mechanism controlled by the renter's key.
- Guarded Front Lock Also referred to as a "recessed front lock." It has a specially constructed interlocking front and strike. When they are interlocked the latch bolt is protected against retraction by end pressure exerted through the crevice between the door and jamb.
- Guarded Front and Strike The lock front and strike for a recessed or "Guarded Front Lock."
- Gun Spring A heavy flat spring of special construction used in locks and latches to hold lever handles in a horizontal position.
- Hand (of locks, etc.) A term indicating whether the article is adaptable for use on a right or left hand door.
- Hand and Bevel of Locks The inclination or bevel of the latch bolt and the lock front always corresponds in direction with the bevel of the door. If no bevel is designated it is understood to be regular bevel. The hand of such a lock is the same as the hand of the door. Refer to "Hand and Bevel of Doors" on page No. 42.
- **Handed** A term indicating that the article is designed or assembled for use on either a right hand or left hand door, but not both.
- Hanging Stile The vertical rail of a door to which the hinges are applied.
- **Hanging Strip** A vertical strip attached to the door casing to which the hinges are applied.
- **Head** (of door or window) The horizontal member of a door or window which contacts the upright member of a door or window frame.
- Hinged Latch See "Swinging Latch."
- **Hood •** A small roof over a doorway, supported by brackets.
- Horizontal Lock Refers to a lock having a "case" whose width is greater than its height.
- Hotel Lock This term refers to a type of master-keyed lock, usually having a latch bolt and either one or two dead bolts. The lock may be controlled from the corridor side by the "Guest's" or "Room" key, or by a floor master-key for maid's use, or by a grand master-key for the manager's use, unless the guest has locked the door from the inside. A fourth master-key, known as an emergency key, will

HARDWARE AND ARCHITECTURAL TERMS

unlock the door under all conditions. Additional keys are sometimes used. The "Shut Out" key prevents any lock in the series from being opened, except with the emergency key. The "Display" key is an individual shut-out key. It is to protect rooms being used for display of merchandise, preventing the entrance of maids during the absence of the person responsible for the display.

- **Hub** A rotating piece within a lock, containing a central aperture to receive the knob spindle and engaging with the bolt or tailpiece in the lock so that the motion of the knob is communicated to the bolt.
- Inactive Door The door, of a pair of doors, which opens last.
- Indicator A device, usually a button, used on hotel locks to indicate whether or not the room is occupied.
- Jamb The inside vertical face of a door or window frame.
- Jamb Joint A joint used on the abutting edges of French sashes, in which the edge of one sash is convex and of the other concave to a radius equal to one-half the thickness of the sash, the purpose being to form a weather tight joint.
- Jamb Lock A prison lock designed to be built into the masonry of the door jamb, the bolt when locked being projected from the jamb and engaging with the door.
- Janus Face Lock A rim lock both sides of which are similarly molded or ornamented, so that either side may be applied to the door, thus making the lock both right and left hand.
- Joists The framing timbers which are the direct support of a floor.
- Keeper Same as "Strike."
- **Key Hole** The aperture in a lock case or escutcheon plate through which the key passes in entering the lock. Refer also to "Keyway."
- **Key-Plate** A plain or ornamental plate having a keyhole (but no knob socket) to be attached to the surface of a door.
- **Key Tag** A metal or fibre identification tag to be attached to keys.
- Keyway The aperture throughout the length of a lock cylinder, into which the key is inserted. The distinction between a **key hole** and a **key way** is that in bit key locks the **key hole** is an aperture in the lock case which serves only to permit the key to enter the lock and to provide a bearing on which the key is rotated; whereas in a cylinder lock the key not only enters the

- lock through the **keyway** but remains interlocked with and contiguous to the key way throughout the length of the cylinder.
- **Knob** A projecting handle, usually round, oval or spherical, for operating a latch bolt. A small crescent or otherwise shaped knob designed for operation with the fingers is called a "turn knob" or sometimes known as a "thumb turn" or "thumb knob" and is usually employed to "throw" the dead bolt of a lock from the inside.
- **Knob Bolt** A dead bolt which is controlled by a knob from either or both sides of the door, and not actuated by a key.
- Knob, French Shank Refer to "French Shank."
- **Knob Latch** A door fastening or latch having a spring bolt operated from either side or both sides by a knob and not actuated by a key.
- **Knob Lock** A door fastening or lock combining a knob latch and dead bolt.
- **Knob Rose** A plate or small escutcheon formed to act as a knob socket attached to the surface of the door.
- **Knob-shank** The projecting stem of a knob containing the hole or socket to receive the spindle.
- **Knob-top** The upper and larger part of a knob which is grasped by the hand.
- **Lancet Window** A high narrow window pointed like a lance at the top.
- Latch A fastening device that has a spring latch bolt, but without key function or dead bolt. Rim and mortise "night latches" are an exception to this definition.
- Latch A lock the bolt of which is beveled and is self-acting by the pressure of a spring or by gravity.
- Latch Bolt (of a lock) The bolt of a lock which is held in extended position by a spring, except when retracted by knob, lever handle or thumb piece, or by contact with the strike as the door is being closed.
- Lever Tumblers Flat tumblers, one or more of which are used in the bolt controlling mechanism in "bit key" locks. Refer to "Lever Tumbler Lock" below.
- Lever Tumbler Lock Also called Bit Key Lock. (See illustration on page 274.) This type of lock is one whose "obstacle" consists of one or more, usually one to five, lever tumblers which must be raised by the key and properly aligned to pass the "fence" of the dead bolt before the key bit can engage the "talon" and actuate the bolt. On the side of the bolt projects a lug called a "fence." Openings in the tumblers fit

HARDWARE AND ARCHITECTURAL TERMS

over this fence. The "Gatings" connect the openings in the lever tumblers. The gatings are all cut at different heights. When the key is inserted and rotated, the bittings of the key lift each of the tumblers to exactly the right height that they all will be in proper alignment to permit the fence to pass. The key engages simultaneously with the "talon" of the bolt and the bolt is thrown. The levers then drop from the action of the tumbler springs, engaging the fence and preventing movement of the bolt. In lever tumbler locks the number of the key changes varies with the number of tumblers employed. Side and end wards may be added to increase the possible key changes, although these are of doubtful value in adding to the security of the lock. These wards or projections are easily broken off and a thin key will pass them. The key changes may vary from four for a one-tumbler lock, to more than 144 changes in a five-tumbler lock. Security against picking increases with the number of tumblers used.

Lintel • The horizontal top piece of a door-way or window-opening.

Lobby • A hall, vestibule or corridor serving as an anteroom or waiting room.

Lock Rail (of a door) • A rail located at the proper height to receive the lock, and for that purpose usually made broader than the other rails.

Lock Set (or Lockset) • A complete assembled set of all component parts which constitute the lock and correlated hardware trimming for a door; e.g., a complete unit consisting of the lock, strike, keys, knobs, escutcheons, etc.

Loggia • A covered gallery or portico, especially when in the upper part of a building, having a colonnade on one or more sides open to the air

Long Lip Strike • A lock strike with a special long lip to protect the frame work of the door.

Louver • A ventilating window covered by sloping slats.

Master Key • A key designed to operate two or more locks of a master-keyed set, the regular change-keys of which are not interchangeable.

Master-Keyed Lock • One of a group or series of locks so keyed that, in addition to being operated by its regular change-key, it may be actuated by another key (master-key) that will also operate some, or all, of the other locks in the group.

Master-keying • This term is applied to various methods employed to accomplish functional group arrangements of master-keyed locks. The different possible arrangements are innumerable.

All locks in a given building, say a hotel for example, may have individual change-keys, yet be arranged into several master-keyed groups and sub-groups, each sub-group being subject to a different sub-master-key, several sub-groups may be further grouped together and be subject to a master key; and the entire series of groups be operated by a grand-master-key.

The usual apartment house keying is set up so that none of the individual apartment change-keys are interchangeable but all will operate the entrance door locks. The keys for the entrance door locks, however, will not operate any of the individual apartment locks.

In lever tumbler locks master-keying is accomplished by the introduction of auxiliary tumblers which are not actuated by the regular change-keys, but when the proper master key is used all the tumblers are raised, permitting the bolt to be thrown.

Cylinder locks are master-keyed by several methods, the most common of which is to have one or more of the pin tumblers divided into three sections. The regular change keys operate the cylinder as described under "Cylinder" on Page No. 274. With the pins divided into three sections instead of the stanard two, it is possible to make key bittings such that one key will raise the pins to one position of alignment which permits rotation of the cylinder "plug" and another key raise the pins to a different position which will also allow the "plug" to rotate. Very complex master-keying requirements may quite easily be fulfilled by the use of cylinder locks.

Meeting Rail • The horizontal rail of a door or window which meets with a corresponding rail of another door or window to form a juncture by means of which both are closed, as in pairs of sliding doors or windows.

Mezzanine • A secondary floor between two others, usually the first and second.

Mortise • 1. An opening to receive a lock or other hardware. 2. To cut such an opening.

Mullion • The large vertical or upright divisionpiece separating openings. In grouped windows it is the member separating each window.

Muntins • The small members, either vertical or horizontal, dividing the glass in doors or windows.

Narthex • An arcaded porch or vestibule of a church before the entrance proper.

Nave • The auditorium of a church.

Night Latch • ("Spring Latch"). An auxiliary lock, separate from but supplementing the regular lock on a door, having a spring latch

GLOSSARY, Cont.

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bolt operating from the outside by key only and from the inside by turn knob. Some Night Latches are equipped with stop works which, when engaged, deadlocks the latch bolt against end pressure. Others are so constructed that the latch bolt may be held in a retracted position when it is desired to have the Night Latch inoperative. In still other Night Latches is incorporated both the deadlocking and hold back features. Refer to Page Nos. 376 to 378.

Night Works (Stop Works) • Interior mechanism of a lock which deadlocks the latch bolt against the outside knob or thumb piece. This mechanism is controlled by buttons in the front of the lock or by the inside cylinder.

Non-Ferrous • Containing no iron.

Nose Plate • A small plate surrounding the nose or escutcheon of a cylinder cabinet lock.

Office Locks • A lock usually having a latch bolt controlled from both sides by knobs, with the latch arranged to be set by stops so that the outside knob may be rendered inoperative and entrance be gained by key only. The inside knob is always operative. If stop is set, the door locks when closed. A dead bolt or knob bolt may also be incorporated.

Oriel Window • A polygonal or semi-cylindrical overhanging window built out from a wall and resting on a bracket or corbels or upon a corbeled structure supported by an engaged column or pier. The Oriel should not be confused with Bay Windows or Bow Windows which reach to the ground.

Outside • Term used to indicate the side from which the hand and bevel of locks are determined, usually the outside of an entrance door, the hall side of a room door, and the room side of a closet door. It is less confusing to determine the hand and bevel of a lock from the side having the more important key function or, if the key function is the same on both sides, from the side on which the butts are invisible.

Paracentric • A term adopted to designate a distinctive type of key and keyway used in cylinder locks. A cross section of the keyway discloses ribs projecting from opposite sides staggered past its center line and extending longitudinally throughout its length, thereby practically preventing the use of picking tools. The sides of the key are grooved to correspond with the contour of the keyway, the key and keyway thus being interlocked throughout their length when the key is inserted.

Parting Strip (Bead) • The strip in a double hung window frame that separates the upper and lower sashes.

Pasquil Lock • One for a rolling or sliding desk top, resembling a horizontal cremone bolt in that it has two sliding rods which move in contrary directions. These rods engage at each end with the frame of the desk and are controlled by a locking mechanism in the center.

Pin Tumbler • Small pins contained in a cylinder, which dog the "plug" until they are perfectly aligned by a key, thus permitting the rotating of the "plug", which actuates the lock bolt. Refer to "Cylinder".

Plug (of a lock) • The cylindrical part, housed by the "shell" of a lock cylinder, which contains the cylinder keyway and rotates in the "shell" to actuate the lock bolts. Refer to "Cylinder" on Page No. 274.

Preparatory Key System • A keying system in which the lock must be set up by a preparatory key before the regular key will operate.

Protected Strike • A strike with a flange fitting against the door stop, making it impossible to insert a sharp instrument between the casing and the stop for the purpose of sliding the latch bolt to a retracted position.

Pulley Stile • The vertical sides of a double hung sash casing to which the pulleys are applied.

Push Plate • A plate applied to a door to protect the surface against human hands when pushing the door open.

Rabbet • The offset on the abutting edges of a pair of double doors. Also the corresponding offsets on the fronts and strikes of rabbeted locks.

Rabbeted Lock • A mortise lock, the front of which is formed with an offset or rebate conforming to the corresponding rebate on the edge of door.

Rail (of door) • Any of the horizontal members which enclose the panels and which, with the stiles, constitute the frame work.

Reach (of a transom lift) • The distance from center of operating rod to the nearest edge of the transom sash.

Rebate • A recess to receive a door or window frame.

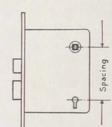
Recess (of a transom lift) • The distance inward from the face of the door casing to the face of the transom sash.

GLOSSARY, Cont.

HARDWARE AND ARCHITECTURAL TERMS

- Recessed Front A recessed offset in the face of a lock front which fits a correlated offset in the strike. This prevents the reaching and re-tracting of the latch bolt by means of the in-sertion of a thin instrument between the door and jamb; and thus provides protection against that form of lock picking.
- Reveal The jamb of a door or window frame between a door or window and the face of a wall.
- Reverse Bevel (of latch bolt) A term used to indicate that the bevel of the latch bolt is reversed, or inclined in the opposite direction to that which is regular.
- Reversed Door One opening in the opposite direction from that which is usual or regular. Room doors if opening inward are "regular," if opening outward are "reversed." Cupboard doors are regular when opening out.
- Reversible Lock One in which the latch bolt can be reversed to adapt the lock to a door of either hand.
- Rim A term applied to articles of hardware intended to be applied to the surface of doors, windows, etc.
- Rounded Front The rounding of lock fronts to conform to the rounded edges of double acting doors. Standard radius $2\frac{1}{4}$ inches, but should have a ''detail''.
- Rose A base trim for a knob or lever for attachment to a door and containing a socket for supporting and guiding the shank of a knob or
- Rose, Auxiliary A rose equipped with a spring on the under side for the purpose of holding a lever handle in a horizontal position. Refer to "Auxiliary Spring."
- Salon A high hall, usually vaulted above and having two tiers of windows, generally used for social receptions, for the display of works of art, or for public entertainment, etc.
- Screwless Knob A knob attached to a spindle by fastenings other than the side knob screw.
- Selvage. The distance from the front edge to the center of the keyway of a cabinet lock.
- Shank (of a key) That part which connects the bit or wing with the bow or handle.
- Shank (of a knob) That part which contains the hole or socket to receive the spindle and which forms a base for the top or enlarged portion of knob.

- Sill The stone or wood member across the bottom of a door or window opening.
- Soffit The under surface of a beam, lintel or arch.
- Solarium A sun porch or room, usually glass enclosed, designed to permit sunlight to enter.
- Solid Rolled "Solid Rolled" articles are made from flat rolled sheet metal of sufficient thickness to permit of beveling the edges by means of polishing.
- Spacing The distance between the center of the cylinder-hole, keyhole, or turn knob hub and the center of the knob hub or the bottom of the lift on handle locks.

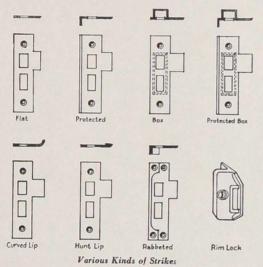


- Spindle (of lock) The axis or shaft, usually of square section, which carries the knobs of a lock and communicates
 - their action to the latch mechanism.
- Split Dead Bolt Two dead bolts of the same or twin construction, both projecting from a common hole in the lock front, and engaging in a common opening in the lock strike. Used in communicating locks.
- Stem (of a key) The round portion of the bit or wing which forms the axis of the key, and on which it rotates when in the lock.
- Stile The vertical outside member of a door or window. Generally considered in Builders' Hardware as the member to which the butts and locking device are attached.
- Stool The wood shelf across the bottom and on the inside of a window opening.
- Stop (of lock) The mechanism, button, or lever. which serves to fasten a bolt or knob or both in the locked or unlocked position. May or may not take control away from the key.
- Stop Key One for insertion in a keyhole from one side to prevent the entrance of a key from the opposite side.
- Stop Works Refer to "Night Works".

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- Store Door Lock Usually contains a latch bolt operated by thumb pieces from both sides and a dead bolt controlled by key from both sides. Has features similar to, if not the same, as an Entrance Door Lock.
- Strike (keeper) A metal fastening, applied to the door frame, into which the dead bolt or latch bolt of a lock is projected to secure the door.



- Swinging Latch Bolt Also called "Hinge Latch." A type of latch which is hinged at the inner face of the lock front and swings into the lock case on contact with the strike, thus affording easy action with little friction.
- Sub-Master-Key One which controls a subordinate group of master-keyed locks, each having a different key of its own, but all in turn controlled by the master or grand master key.
- Swivel Spindle A spindle having a joint or swivel midway in its length whereby the knob attached to one end may be held stationary and inoperative, while the knob attached to the other end is left free to rotate and thus to actuate the latch mechanism of a lock.
- Talon The notch or opening in the bolt of a lock with which the key engages to throw the bolt.
- **Thimble** The socket on an escutcheon plate which serves as a bearing for the knob shank.
- Threshold The stone, wood or metal piece directly under a door.
- **Thumb Piece** The piece on a handle lock set which is depressed by the thumb to retract the latch bolt.

- **Transom** A small ventilating window over a door or window.
- **Transom Bar** The horizontal member of a transom which divides the opening.
- **Tumbler** The obstruction or guard in a lock which dogs or prevents the motion of the bolt, and which is set by the key during the act of locking and unlocking.
- Turn Knob Refer to" Knob" on Page No. 67.
- **Unit Lock** A term applied to a lockset so constructed that all of its parts (the lock, knobs and escutcheon plates) are permanently combined in a single, integral unit.
- **Upright Lock** A lock whose case is higher than it is wide.
- Veneered Front A lock front or face consisting of two plates, the lower riveted to the lock case, and the upper (usually of more expensive material) permanently fastened to the lower. Used in contradistinction to "Armored front."
- Vestibule Door Lock A mortise latch operated by knob, lever handle or thumb piece from inside at all times. Operated from outside by knob, lever handle or thumb piece when stop works are not set; by key from outside when stops are set.
- Ward A projection in the case or the keyhole of a lock, obstructing the entrance or rotation of an unmatched key.
- Warded Key One having grooves or notches, or both, usually in the wing or bit, which coincide with corresponding projections, or wards in the lock case or keyhole.
- Warded Lock A lock having for obstacles projections cast in the keyhole opening or on the inside of the case. This requires corresponding grooves in the key to permit it to enter and turn. The warded lock is inexpensive and offers little security. The number of variations in wards is few. Twelve is the usual limit. Usually only four are employed, which means that every fourth lock can be opened by the same key and four keys would enter and operate every lock in the series. The warded lock is simple to pick. Due to the limited number of key changes and the lack of security, warded locks are not used when master-keying is required.
- Wing Key One having a winged projection for operating the bolt or tumblers of a lock.



WROUGHT DESIGNS



No. 110021/4x11005

ARDEN DESIGN SYMBOL 11

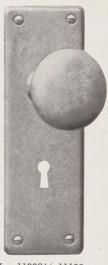
WROUGHT BRONZE, BRASS OR STEEL



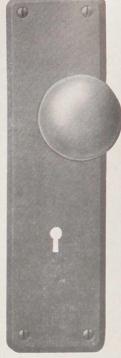
No. PD110021/4xP11103



No. 11102 No. P11102



No. 11002¹/₄x11103 No. P11002¹/₄xP11103



No. 11002 4x11005 No. P11002 4xP11005

WROUGHT BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

Number	Number Description		k	Knobs		Escutcheons	
Traineor	Bescription	Number	Page	KHODS	Outside	Inside	
11200 11421 11801 11831 11833 11853 11873 11837 11837 11977 11461 †11340 †11340V †K11340V 11378 11532 11533	Latch. French door Inside door Bathroom door Bathroom door Bathroom door Communicating door Bit key, front door Cylinder, front door Cylinder, vestibule door Cylinder, office door Sliding door, single Sliding door, double	833 853 873 837 837 977 461 340 340V 340V 378 0532	287 298 301 302 302 303 304 307 307 308 312 320 321 321 321 327 370 370	11002¼ 11001¾x11031 Lever 11002¼ 11002¼ 11002¼ 11002¼ 11002¼ 11002¼ 11002¼ 11002¼ 11002¼ 11002¼ 11002¼ 11002¼ 11002¼ 11002¼ 11002¼ 11002¼ None None	11100 11101 11103 11103 11103 11103 11103 11103 None 11103x22 11005 11005 11005 11004 11104 11102	11100 11101 11103 11103 11103 11103 11103x22 11103x22 11103x22 11103 11103x22 11103 11103x22 11103	

For entrance door handle sets, refer to Page Nos. 262 and 265.
Packed each set in a box, complete with screws. †Specify thickness of door.
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT STEEL LOCKSETS - With Standard Spindle Mountings

P11200 PD11200 P11421 P11601 PD11601 P11637 PD11637 P11637 P11637 P11637 1/2 P11461 PD11461 P11532 P11533	Latch Latch French door Inside door Inside door Bathroom door Bathroom door Bathroom door (½ Trim) Bathroom door (½ Trim) Bit key, front door Bit key, front door Sliding door, single Sliding door, double	P637 P637 P637 P461 P461 P532	287 287 297 301 301 307 307 307 307 312 312 370 370	P11002¼ PD11002¼ P11001¼xP11031 Lever P11002¼ PD11002¼ P11002¼ P11002¼ P11002¼ Y2 Pr. P11002¼ P11002¼ P11002¼ P11002¼ None None	P11100 P11101 P11103 P11103 P11103 P11103 None None P11005 P11005 P11102 P11102	P11100 P11101 P11103 P11103 P11103x22 P11103x22 P11103x22 P11103x22 P11103 P11103 P11102 P11102

Specify Number and Finish. Refer to Page No. 36 for description of finishes. Packed each set in a box, complete with screws.

ARDEN DESIGN SYMBOL 11

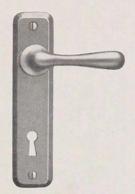
WROUGHT BRONZE, BRASS OR STEEL



No. 11447 No. P11447



No. 11507 No. P11507



No. 11031x11101 No. P11031xP11101



No. 11390



No. 11546



No. 11647 No. P11647

Number		Size, Inches	Description		
Bronze	Steel	Size, menes	Description		
11100 11101 11103 ½ 11103 11004 11005 11102 †11001 ¾ †11002 ¼ ** 11507 11390 11447 11647 11546 †11031	P11100 P11101 P11103 ½ P11103 P11004 P11005 P11102 *P11001 ¾ *P11002 ¼ *PD11002 ¼ *P11507 P11447 P11647 P11546 *P11031	3½x1½ 5 x1½ 6 x2 7 x2¼ 8 x2½ 10 x2¾ 6 x2 1¾ 2¼ 2¼ 2¼ 2¼ 10 x2¾ 10 x2¾ 10 x2¾ 10 x2¾ 10 x2¾ 10 x2¾	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob (one piece) Door knob (one piece) Door knob (two piece) Key escutcheon Push button Push plate—Refer to Page No. 473 Door pull—Refer to Page No. 477 Flush sash lift Lever handle		

For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

[†]Bronze knobs and levers have Model "C" spindle mountings.

^{*}Steel knobs and levers have standard spindle mountings.

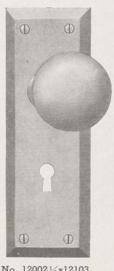
No. 120021/4×12005

STRATFORD DESIGN SYMBOL 12

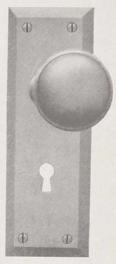
WROUGHT BRONZE, BRASS OR STEEL



No. 12102 No. P12102



No. 12002¼x12103 No. P12002¼xP12103



No. PD12002 1/4 xP12103



No. 12002 1/4 x 12005 No. P12002 1/4 x P12005

WROUGHT BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Escutcheons	
ramser	Doportphon	Number	Page	KHODS	Outside	Inside
12200 12421 12801 12831 12833 12853 12873 12837 12837 12837 12977 12461 †12340 †12340V †K12340V †12378 12532 12533	Latch French door Inside door Bathroom door Bathroom door Bathroom door Bit key, front door Cylinder, front door Cylinder, vestibule door Cylinder, office door Sliding door, single Sliding door, double	833 853 873 837 837 977 461 340 340V 340V 378 0532	287 298 301 302 302 303 304 307 307 308 312 320 321 321 327 370 370	12002¼ 12001¾12001 Lever 12002¼ 12002¼ 12002¼ 12002¼ 12002¼ 12002¼ 12002¼ 12002¼ 12002¼ 12002¼ 12002¼ 12002¼ 12002¼ 12002¼ None None	12100 12101 12103 12103 12103 12103 12103 12103 None 12103x22 12005 12005 12005 12004 12004 12102 12102	12100 12101 12103 12103 12103 12103 12103 12103x22 12103x22 12103x22 12103 12103x22 12103 12103 12103 12103 12103

Packed each set in a box, complete with screws. For entrance door handle sets, refer to Pages Nos. 246, 247, 262 and 265. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

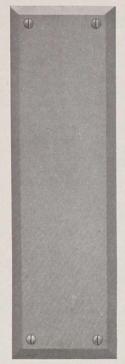
WROUGHT STEEL LOCKSETS—With Standard Spindle Mountings

P12200 PD12200 P12421 P12601 PD12601 P12637 PD12637 ½ PD12637 ½ PD12637 ½ PD12461 PD12461 P12532 P12533	Latch Latch French door Inside door, One-Piece Knobs Inside door, Two-Piece Knobs Bathroom door, One-Piece Knobs Bathroom door, Two-Piece Knobs Bathroom door, ½ Trim, 1-Pc. Knobs Bathroom door, ½ Trim, 2-Pc. Knobs Bit key, front door, One-Piece Knobs Bit key, front door, Two-Piece Knobs Sliding door, single Sliding door, double	P601 P637 P637 P637 P637 P461 P461 P532	287 287 297 301 301 307 307 307 307 312 312 370 370	P12002¼ PD12002¼ P12001¾xP12031 Lever P12002¼ PD12002¼ P12002¼ P12002¼ PD12002¼ ½ Pr. P12002¼ ½ Pr. PD12002¼ PD12002¼ None None	P12100 P12100 P12101 P12103 P12103 P12103 None None P12005 P12005 P12102 P12102	P12100 P12100 P12101 P12103 P12103xP22 P12103xP22 P12103xP22 P12103xP22 P12103 P12103 P12103 P12103

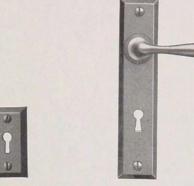
Packed each set in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

STRATFORD DESIGN SYMBOL 12

WROUGHT BRONZE, BRASS OR STEEL



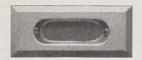
No. 12447 No. P12447



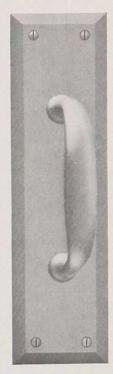
No. 12031x12101 No. P12031xP12101



No. 12390



No. 12546 No. P12546



No. 12647 No. P12647

Number		Size, Inches	Description		
Bronze	Steel	Dize, menes	Description		
12100 12101 12103 12004 12005 12102 †12001 3/4 †12002 1/4 12507 12390 12447 12647 12546 †12031	P12100 P12101 P12103 P12004 P12005 P12102 *P12002 ½ *P12002 ½ PD12002 ½ P12507 P12447 P12647 P12546 *P12031	4xl ½ 5xl ½ 7x2 ¼ 8x2 ½ 10x2 ¾ 6x2 ½ 1 3¼ 2 ¼ 2 ¼ 2 ¼ 2 xl ½ 10x3 10x3 158x3 ¾ 2 ¾ 2 3/8	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob (one piece) Door knob (two piece) Door knob (two piece) Key escutcheon Push button Push plate. Refer to Page No. 473 Door pull. Refer to Page No. 477 Flush sash lift Lever handle		

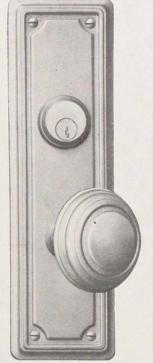
For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes. †Bronze knobs and levers have model "C" spindle mountings.

No. 12507 No. P12507

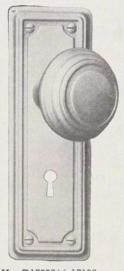
^{*}Steel knobs and levers have standard spindle mountings.

OXFORD DESIGN SYMBOL 15

WROUGHT BRONZE, BRASS OR STEEL



No. D15002 1/4 x15005 No. PD15002 1/4 xP15005



No. D150021/x15103 No. PD150021/xP15103



No. 15102 No. P15102



No. D150021/x15005 No. PD150021/xP15005

WROUGHT BRONZE OR BRASS LOCKSETS - With Model "C" Spindle Mountings

Number	Number Description -		k	Knobs	Escutcheons	
Number	Number Description -	Number	Page	KIIODS	Outside	Inside
D15200 L15421 D15801 D15831 D15833 D15837 D15977 D15461 †D15340 †D15340V 15532 15533	Latch French door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bit key, front door Cylinder, front door Cylinder, vestibule door Sliding door, single Sliding door, double	200 421 801 831 833 837 977 461 340 340V 0532 0533	287 298 301 302 302 307 308 312 320 321 370 370	D15002 1/4 2—15031 Levers D15002 1/4 None None	15100 15101 15103 15103 15103 15103x22 15005 15005 15005 15002 15002	15100 15101 15103 15103 15103 15103x22 15103x22 15103x22 15103 15002 15002

Packed each set in a box, complete with screws.

†Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes. For entrance door handle sets, refer to Page No. 263.

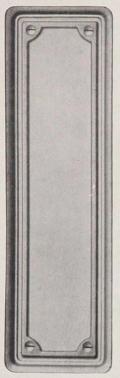
WROUGHT STEEL LOCKSETS - With Standard Spindle Mountings

PD15200 PL15421 PD15601 PD15637 PD15461 P15532 P15533	Latch. French door. Inside door. Bathroom door. Bit key, front door. Sliding door, single. Sliding door, double.	P421 P601 P637 P461 P532	287 297 301 307 312 370 370	PD15002 ¹ / ₄ 2—P15031 Levers PD15002 ¹ / ₄ PD15002 ¹ / ₄ PD15002 ¹ / ₄ None None	P15100 P15101 P15103 P15103 P15005 P15102 P15102	P15103xP22

Packed each set in a box, complete with screws.

OXFORD DESIGN SYMBOL 15

WROUGHT BRONZE, BRASS OR STEEL



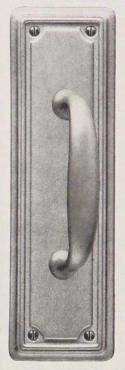
No. 15447 No. P15447



No. 15390



No. 15546 No. P15546



No. 15647 No. P15647

Num	Number		Description
Bronze	Steel	Size, Inches	Description
15447	P15100 P15101 P15103 P15005 P15102 PD15002 1/4 P15447 P15647 P15546 P15031	4 x1½8 5 x1½8 7 x2¾8 10 x3 6 x2½ 2¼ 4 x1½8 10 x3 10 x3 10 x3 11½x3½ 2¾8	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob (two piece) Push button Push plate Door pull x No. 140 Grip. Refer to Page No. 484 Door pull x No. P140 Grip. Refer to Page No. 484 Flush sash lift Lever handle. Refer to No. 31C and P31, Page No. 424

For escutcheons with turn knobs suffix "x No. 22" or "x No. P22" to number.

When ordering escutcheons only, specify lock with which they are to be used.

Knobs and levers have standard mountings.

LENOX DESIGN SYMBOL 16

WROUGHT BRONZE, BRASS OR STEEL



No. 16002 1/4 x 16005



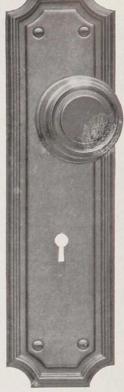
No. 16002 1/4 x 16103 No. P16002 1/4 x P16103



No. 16102 No. P16102



No. PD160021/4xP16103



No. 16002 1/4 x 16005 No. P16002 1/4 x P16005

WROUGHT BRONZE OR BRASS LOCKSETS - With Model "C" Spindle Mountings

Number	Number Description		k	Knobs	Escutcheons	
rumber	Doscription	Number	Page	KHODS	Outside	Inside
16200 L16421 16801 16831 16833 16837 16977 16461 †16340 †16340V 16532 16533	Latch. French door Inside door Inside door Inside door Inside door Bathroom door Communicating door Bit key, front door Cylinder, front door Cylinder, vestibule door Sliding door, single Sliding door, double	977 461 340 340V 0532	287 298 301 302 302 307 308 312 320 321 370 370	16002 1/4 2—16031 Levers 16002 1/4 16002 1/4 16002 1/4 16002 1/4 16002 1/4 16002 1/4 16002 1/4 None None	16100 16101 16103 16103 16103 16103x22 16005 16005 16005 16102 16102	16100 16101 16103 16103 16103x22 16103x22 16103x22 16103 16102 16102

Packed each set in a box, complete with screws.

†Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT STEEL LOCKSETS - With Standard Spindle Mountings

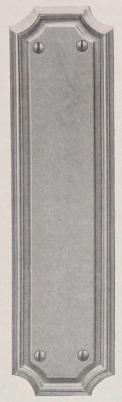
P16200 PD16200 PL16421 P16601 PD16601 P16637 PD16637 PD16461 PD16461 PD16461 P16532 P16533	Latch Latch French door Inside door Inside door Bathroom door Bathroom door Bit key, front door Bit key, front door Sliding door, single Sliding door, double	P200 P200 P421 P601 P637 P637 P461 P461 P532 P533	287 287 297 301 301 307 307 312 312 370 370	P16002¼ PD16002¼ 2—P16031 Levers P16002¼ PD16002¼ P16002¼ PD16002¼ P16002¼ PD16002¼ None	P16100 P16100 P16101 P16103 P16103 P16103 P16005 P16005 P16005 P16102 P16102	P16100 P16100 P16101 P16103 P16103xP22 P16103xP22 P16103 P16103 P16102 P16102
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Packed each set in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

LENOX DESIGN SYMBOL 16

WROUGHT BRONZE, BRASS OR STEEL



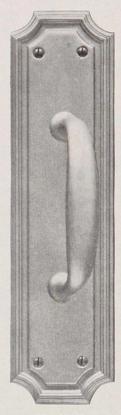
No. 16447 No. P16447



No. 16390



No. 16546 No. P16546



No. 16647 No. P16647

Number		Size, Inches	Description
Bronze	Steel	Dize, menes	Denotified
16100 16101 16103 16005 16102 †16002 1/4 16390 16447 16647	P16100 P16101 P16103 P16005 *P16102 *P16002 1/4 *PD16002 1/4 P16447 P16647 P16546 *P16031	334x1½ 5 x1½ 7½x2½ 11 x3 7½x2½ 2½ 2½ 2¼ 334x1½ 11 x3 11 x3 11 x3 11 x3 25%	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob (one piece) Door knob (two piece) Push button Push plate Door pull x No. 140 Grip. Refer to Page No. 484 Door pull x No. P140 Grip. Refer to Page No. 484 Flush sash lift Lever handle. Refer to No. 31C and P31, Page No. 424

For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes. †Bronze knobs and levers have Model "C" spindle mountings.

^{*}Steel knobs and levers have standard spindle mountings.



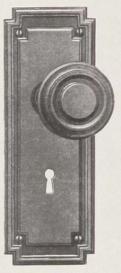
No. 170021/4x17005

IONIAN DESIGN SYMBOL 17

WROUGHT BRONZE, BRASS OR STEEL



No. 17102 No. P17102



No. PD170021/4xP17103



No. 17002 1/4 x17005 No. P17002 1/4 xP17005

WROUGHT BRONZE OR BRASS LOCKSETS - With Model "C" Spindle Mountings

Number	Number Description	Lock		Knobs	Escutcheons	
Number		Number	Page	KHODS	Outside	Inside
17200 L17421 17801 17831 17833 17837 17977 17461 †17340 †17340V 17532 17533	Latch French door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bit key, front door Cylinder, front door Cylinder, vestibule door Sliding door, single Sliding door, double	200 421 801 831 833 837 977 461 340 340V 0532 0533	287 298 301 302 302 307 308 312 320 321 370 370	17002¼ 2—17031 Levers 17002¼ 17002¼ 17002¼ 17002¼ 17002¼ 17002¼ 17002¼ 17002¼ None None	17100 17101 17103 17103 17103 17103x22 17005 17005 17005 17005 17102 17102	17100 17101 17103 17103 17103 17103x22 17103x22 17103 17103x22 17103 17102 17102

Packed each set in a box, complete with screws.

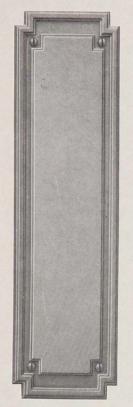
†Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT STEEL LOCKSETS - With Model "C" Spindle Mountings

Packed each set in a box, complete with screws.

IONIAN DESIGN SYMBOL 17

WROUGHT BRONZE, BRASS OR STEEL



No. 17447 No. P17447



No. 17546 No. P17546



No. 17390



No. 17647 No. P17647

Number		Size, Inches	Description		
Bronze	Steel	Size, friches	Description		
17100 17101 17103 17005 17102 †17002 1/4 17390 17447 17647	P17100 P17101 P17103 P17005 P17102 *P17002 1/4 *PD17002 1/4 P17447 P17647 P17546 *P17031	334x1½ 5 x1½ 7½x25½ 11 x3 7½x25½ 2½ 2½ 334x1½ 11 x3 11 x3 11 x3 1½x3¾ 2¾	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob (one piece) Door knob (two piece) Push button Push plate Door pull x No. 140 Grip. Refer to Page No. 484 Door pull x No. P140 Grip. Refer to Page No. 484 Flush sash lift Lever handle. Refer to No. 31C and P31, Page No. 424		

For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number.

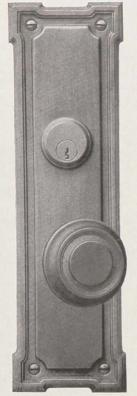
When ordering escutcheons only, specify lock with which they are to be used.

†Bronze knobs and levers have Model "C" spindle mountings.

*Steel knobs and levers have standard spindle mountings.

KENWOOD DESIGN SYMBOL 18

WROUGHT BRONZE, BRASS OR STEEL



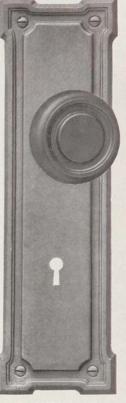
No. 180021/4x18005



No. 18002 1/4 x 18103 No. P18002 1/4 x P18103



No. 18102 No. P18102



No. 18002 1/4 x 18005 No. P18002 1/4 x P18005

WROUGHT BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Escutcheons	
Number	Description	Number	Page	KHODS	Outside	Inside
18200 18801 18831 18833 18837 18977 18977 18461 †18340 †18340V 18532 18533	Latch Inside door Inside door Inside door Inside door Bathroom door Communicating door Bit key, front door Cylinder, front door Cylinder, vestibule door Sliding door (single) Sliding door (double)	200 801 831 833 837 977 461 340 340V 0532 0533	287 301 302 302 307 308 312 320 321 370 370	18002 1/4 18002 1/4 18002 1/4 18002 1/4 18002 1/4 18002 1/4 18002 1/4 18002 1/4 18002 1/4 None None	18100 18103 18103 18103 18103 18103x22 18005 18005 18005 18102 18102	18100 18103 18103 18103x22 18103x22 18103x22 18103 18103x22 18103 18102 18102

Packed each set in a box, complete with screws. For entrance handle sets, refer to Page Nos. 263 and 264. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

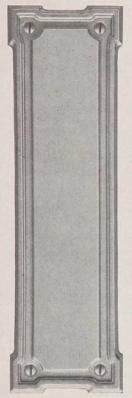
WROUGHT STEEL LOCKSETS—With Standard Spindle Mountings

P18200 PD18200 P18601 PD18601 P18637 PD18637 PD18461 PD18461 PD18532 P18533	Latch Latch Inside door Inside door Bathroom door Bathroom door Bit key, front door Bit key, front door Sliding door (single) Sliding door (double)	P637 P461 P461 P532	287 287 301 301 307 307 312 312 370 370	P18002 14 PD18002 14 P18002 14 PD18002 14 P18002 14 PD18002 14 P18002 14 PD18002 14 None None	P18100 P18100 P18103 P18103 P18103 P18103 P18005 P18005 P18102 P18102	P18100 P18100 P18103 P18103xP22 P18103xP22 P18103 P18103 P18102 P18102
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Packed each set in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

KENWOOD DESIGN SYMBOL 18

WROUGHT BRONZE, BRASS OR STEEL



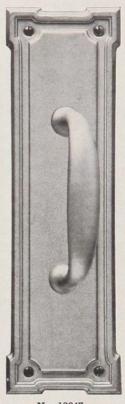
No. 18447 No. P18447



No. 18390



No. 18546 No. P18546



No. 18647 No. P18647

Number		Size, Inches	Description		
Bronze	Steel	Size, menes	Description		
18100 18101 18103 18005 18102 †18002 1/4 18390 18447 18647	P18100 P18101 P18103 P18005 P18102 *P18002 1/4 *PD18002 1/4 *P18447 P18647 P18546	35/8x15/8 43/4x15/16 71/2x25/8 11 x3/4 71/2x25/8 21/4 21/4 35/8x15/8 11 x3/4 11 x3/4 11 x3/4 15/8x35/8	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob (one piece) Door knob (two piece) Push button Push plate Door pull x No. 140 Grip. Refer to Page No. 484 Door pull x No. P140 Grip. Refer to Page No. 484 Flush sash lift		

For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number.

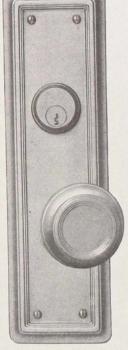
When ordering escutcheons only, specify lock with which they are to be used.

[†]Bronze knobs have Model "C" spindle mountings.

^{*}Steel knobs have standard spindle mountings.

NEWPORT DESIGN SYMBOL 19

WROUGHT BRONZE, BRASS OR STEEL



No. 190021/4x19005



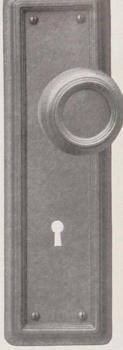
No. 19002 1/4 x 19103 No. P19002 1/4 x P19103



No. 19102 No. P19102



No. PD190021/4xP19103



No. 19002 1/4 x 19005 No. P19002 1/4 x P19005

WROUGHT BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Escutcheons	
Number	Description,	Number	Page	KHODS	Outside	Inside
19200 L19421 19801 19831 19833 19837 19977 19461 †19340 †19340V 19532	Latch French door Inside door Inside door Inside door Inside door Bathroom door Communicating door Bit key, front door Cylinder, front door Cylinder, vestibule door Sliding door, single Sliding door, double	340 340V 0532	287 298 301 302 307 308 312 320 321 370 370	19002 1/4 2—19031 Levers 19002 1/4 19002 1/4 19002 1/4 19002 1/4 19002 1/4 19002 1/4 19002 1/4 None None	19100 19101 19103 19103 19103 19103 19103x22 19005 19005 19005 19102 19102	19100 19101 19103 19103 19103 19103x22 19103x22 19103x22 19103 19103x22 19103

Packed each set in a box, complete with screws.

For entrance handle sets refer to Page Nos. 262 and 265.

†Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

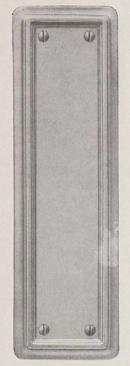
WROUGHT STEEL LOCKSETS—With Standard Spindle Mountings

PD19637 Bathroom door P637 307 PD19002¼ P19103 P19103xP22 P19461 Bit key, front door P461 312 P19002¼ P19005 P19103 PD19461 Bit key, front door P461 312 PD19002¼ P19005 P19103 P19532 Sliding door, single P532 370 None P19102 P19102							
P19533 Sliding door, double P555 570 None P19102 P19102	PD19200 PL19421 P19601 PD19601 P19637 PD19637 PD19637 PD19461 PD19461	Latch. French door Inside door Inside door Bathroom door Bathroom door Bit key, front door Bit key, front door	P200 P421 P601 P601 P637 P637 P461 P461 P532	287 297 301 301 307 307 312 312	PD190021/4 2—P19031 Levers P190021/4 PD190021/4 PD190021/4 P190021/4 P190021/4 PD190021/4	P19100 P19101 P19103 P19103 P19103 P19005 P19005	P19100 P19101 P19103 P19103xP22 P19103xP22 P19103 P19103

Packed each set in a box, complete with screws.

NEWPORT DESIGN SYMBOL 19

WROUGHT BRONZE, BRASS OR STEEL



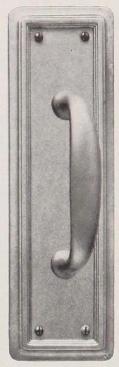
No. 19447 No. P19447



No. 19390



No. 19546 No. P19546



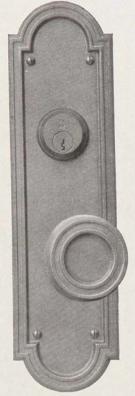
No. 19647 No. P19647

Number		Size, Inches	Description		
Bronze	Steel	Bize, menes	Description		
19100 19101 19103 19005 19102 †19002 1/4	P19100 P19101 P19103 P19005 P19102 *P19002 1/4 *PD19002 1/4	3½x1½ 5 x1¼ 7 x23/8 10 x3 7 x23/8 2¼ 2¼	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Oor knob (one piece) Door knob (two piece)		
19390 19546 19447 19647 †19031	P19546 P19447 P19647 *P19031	3½x1½ 1½x3½ 10 x3 10 x3 10 x3 23%	Push button Flush sash lift Push plate Door pull x No. 140 Grip. Refer to Page No. 484 Door pull x No. P140 Grip. Refer to Page No. 484 Lever handle. Refer to Nos. 31C and P31, Page No. 424		

For escutcheons with turn knobs suffix "x No. 22" or "x No. P22" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes. †Bronze knobs and levers have Model "C" spindle mountings. *Steel knobs and levers have standard spindle mountings.

CAMDEN DESIGN SYMBOL 20

WROUGHT BRONZE, BRASS OR STEEL



No. 20002 1/4 x 20005



No. 20002 1/4 x 20103 No. P20002 1/4 x P20103



No. 20102 No. P20102



No. 20002 1/4 x20005 No. P20002 1/4 xP20005

WROUGHT BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Loc	k	Knobs	Escuto	cheons
Number Page	KHODS	Outside	Inside			
20200 L20421 20801 20831 20833 20837 20977 20461 †20340 †20340V 20532 20533	Latch French door Inside door Inside door Inside door Inside door Bathroom door Communicating door Bit key, front door Cylinder, front door Cylinder, vestibule door Sliding door, single Sliding door, double	200 421 801 831 833 837 977 461 340 340V 0532 0533	287 298 301 302 302 307 308 312 320 321 370 370	20002 1/4 2—20031 Levers 20002 1/4 20002 1/4 20002 1/4 20002 1/4 20002 1/4 20002 1/4 20002 1/4 20002 1/4 None None	20100 20101 20103 20103 20103 20103 20103x22 20005 20005 20005 20102 20102	20100 20101 20103 20103 20103 20103x22 20103x22 20103x22 20103 20103x22 20103 20102 20102

Packed each set in a box, complete with screws. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

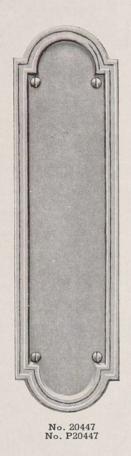
WROUGHT STEEL LOCKSETS—With Standard Spindle Mountings

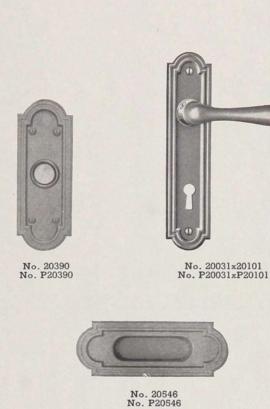
Packed each set in a box, complete with screws.

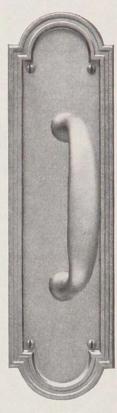
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAMDEN DESIGN SYMBOL 20

WROUGHT BRONZE, BRASS OR STEEL







No. 20647 No. P20647

Number		Size, Inches	Description		
Bronze	Steel	Dize, menes	Description		
20100 20101 20103 20005 20102 †20002 ¹ / ₄ 20390 20447 20647	P20100 P20101 P20103 P20005 P20102 *P20002 1/4 P20447	4½x1½ 5½x1¼ 8½x25% 11 x3 8½x25% 2¼ 4¼x1½ 11 x3 11 x3 11 x3	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob (one piece) Push button Push plate Door pull x No. 140 Grip. Refer to Page No. 484 Door pull x No. P140 Grip. Refer to Page No. 484		
20546 †20031	P20546 *P20031	1 ½x4 ¼ 23/8	Flush sash lift Lever handle		

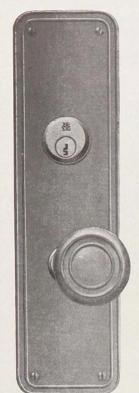
For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number.

When ordering escutcheons only, specify lock with which they are to be used.

[†]Bronze knobs and levers have Model "C" spindle mountings.

^{*}Steel knobs and levers have standard spindle mountings.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



SUPERIOR DESIGN SYMBOL 21

WROUGHT BRONZE, BRASS OR STEEL



No. 21002 4 x21103 No. P21002 4 xP21103 No. 21002 1/4 x 21005



No. 21002 1/4 x21012 No. P21002 1/4 xP21012



No. 21507 No. P21507 Type 21507½ Type P21507½



No. 21102 No. P21102



No. 21002 1/4 x21005 No. P21002 1/4 xP21005

WROUGHT BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number Description		Lock		Knobs	Escutcheons or Roses	
rumber	Description	Number	Page	Milobs	Outside	Inside
21200 S21200 L21421 SL21421 21801 S21801 21831 21833 S21833 21837 S21837 S21837 21977 S21977 S21977 S21977 21461 S21461 †21340 †S21340 †21340V †S21340V 21532 21533	Latch Latch French door French door Inside door Sathroom door Bathroom door Communicating door Communicating door Bit key, front door Cylinder, front door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Sliding door, single Sliding door, double	200 200 421 421 801 801 831 833 833 837 977 977 461 461 340 340V 340V 0532 0533	287 287 298 298 301 301 302 302 302 307 307 307 308 312 312 320 321 321 370 370	21002 ¼ 21002 ¼ 2—21031 Levers 2—21031 Levers 21002 ¼ None None	21103 21012 21101 21011x21507½ 21103 21012x21507 21103 21012x21507 21103 21012x21507 21103 21012x21507 21103x22 21012x21022 21005 21012x21025 21102	21103 -21012 21101 21011x21507½ 21103 21012x21507 21103 21012x21507 21103x22 21103x22 21103x22 21103x22 21012x21507 21103x22 21103x22 21012x21022 21103 21012x21022 21103 21012x21022 21103 21012x21022 21103 21012x21022 21103 21012x21022 21103

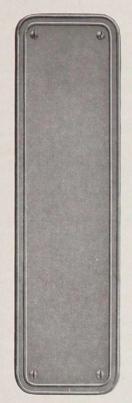
Packed each set in a box, complete with screws.
For entrance door handle sets, refer to Page Nos. 246 and 247.
†Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT STEEL LOCKSETS—With Standard Spindle Mountings

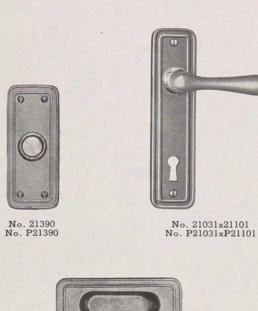
Specify Number and Finish. Refer to Page No. 36 for description of finishes. Packed each set in a box, complete with screws.

SUPERIOR DESIGN SYMBOL 21

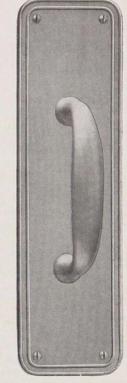
WROUGHT BRONZE, BRASS OR STEEL



No. 21447 No. P21447



No. 21546 No. P21546



No. 21647 No. P21647

Number		Size, Inches	Description		
Bronze	Steel	Size, menes	Description		
21101 21103 21005 21102 †21002½ 21025 21011 21012 21022 21023 21507 21507 21390 21447 21647	P21101 P21103 P21005 P21102 *P21002½ P21025 P21011 P21012 P21022 P21023 P21507 P21507½ P21447	5 x1 ¼ 7 ¼x2½ 10½x3 7 ½x2½ 2 ½ 2 x2 13¼x1 ¾ 2 x2 2½8x1 ¼ 2½8x1 ¼ 156x1 56 3½x1 ½ 10½x3 10½x3 10½x3	Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob (one piece) Cylinder plate Knob rose Knob rose Turn knob on plate, ¾6 inch spindle on diamond Turn knob on plate, 1½2 inch flat spindle Key escutcheon Key escutcheon Push button Push plate Door pull x No. 140 Grip. Refer to Page No. 484 Door pull x No. P140 Grip. Refer to Page No. 484 Flush sash lift		
†21031	P21546 *P21031	1 ½x3½ 23/8	Lever handle		

For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number. When ordering escutcheons only, specify lock with which they are to be used.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

[†]Bronze knobs and levers have Model "C" spindle mountings.

^{*}Steel knobs and levers have standard spindle mountings.

HADLEY DESIGN SYMBOL 22

WROUGHT BRONZE, BRASS OR STEEL



No. 22025



No. 22507 No. P22507



No. 22390



No. 22002 1/4 x22012 No. P22002 1/4 xP22012



No. 22022-22023 No. P22022-P22023



No. 22102 No. P22102



No. 22546 No. P22546

Nu	Number		Description		
Bronze	Steel	Size, Inches	Description		
22012 22025 †22002 ¹ / ₄ 22102 22022 22023 22507 22390 22546 †22031	*P22012 *P22002 1/4 P22002 P22022 P22023 P22507 *P22546 *P22031	2 x2½ 2 x2½ 2½ 2½ 256x3 136x1½ 138x1½ 138x1½ 2 x2½ 1½x3½ 238	Knob rose Cylinder plate Door knob (two piece) Escutcheons for sliding door locks Turn knob on plate, 3/16 inch spindle on diamond Turn knob on plate, 7/12 inch flat spindle Key escutcheon Push button Flush sash lift Lever handle. Refer to No. 31C and P31, Page No. 424		

†Bronze knobs and levers have Model "C" spindle mountings. *Steel knobs and levers have standard spindle mountings.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

Number	Description	Description Lock Knobs		Escutcheons		
Number	Bescription	Number	Page	KHODS	Outside	Inside
22200 L22421 22801 22803 22833 22837 22977 22461 †22340 †22340V 22532 22533	Latch French door Inside door Inside door Inside door Inside door Bathroom door Communicating door Bit key, front door Cylinder, front door Cylinder, vestibule door Sliding door, single Sliding door, double	200 421 801 803 833 837 977 461 340 340V 0532 0533	287 298 301 301 302 307 308 312 320 321 370 370	22002 ¼ 2—22031 Levers 22002 ¼ 22002 ¼ 22002 ¼ 22002 ¼ 22002 ¼ 22002 ¼ 22002 ¼ 22002 ¼ 22002 ¼ None None	22012 22012x22507 22012x22507 22012x22507 22012x22507 22012x22507 22012x2022 22012x2022 22012x2025 22012x2025 22012x2025 22102 22102	22012 22012x22507 22012x22507 22012x22507 22012x22507 22012x22022 22012x22022 22012x2507 22012x22022 22012x22022 22012x22022 22012 22102 22102

Packed each set in a box, complete with screws.

†Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes,

WROUGHT STEEL LOCKSETS—With Standard Spindle Mountings

P22200 PL22421 P22601 P22637	Latch French door Inside door Bathroom door	P421	287 297 301 307	PZZUUZ 1/4	PZZU12xPZ2507	P22012 P22012xP22507 P22012xP22507 P22012xP22507
P22461 P22532 P22533	Bit key, front door	P461 P532 P533	312 370 370	P220021/4 None None	P22012xP22507 P22102 P22102	xP22 P22012xP22507 P22102 P22102

Packed each set in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finish.

MONROE DESIGN SYMBOL 23

WROUGHT BRONZE, BRASS OR STEEL



No. 23025



No. 23390



No. 23002 1/4 x23012 No. P23002 1/4 xP23012



No. 23507 No. P23507

Nı	Number		Description		
Bronze	Steel	Size, Inches	Description		
†23002 ¹ / ₄ 23025 23012 23507 23022 23023 23390 †23031	*P23002 1/4 P23012 P23507 P23022 P23023 *P23031	2 ¼ 2 ¼ 2 1 ¾ 1 ¾ 1 ¾ 1 ¾ 2 ¼ 2 ¼ 2 ¾ 2 ¾	Door knob, one piece Cylinder plate Knob rose Key escutcheon Turn knob on plate, 3/16 inch spindle on diamond Turn knob on plate, 1/32 inch spindle, flat Push button Lever handle. Refer to No. 31C and P31C Page No. 424		

WROUGHT BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Set	Description	Lock			Escutcheons	
Number Description	Number	Page	Knobs	Outside	Inside	
23200 L23421 23801 23831 23833 23837 23977 †23340 †23340V	Latch French door Inside door Inside door Inside door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	801 831 833 837 977 340	287 298 301 302 302 307 308 320 321	23002 ¼ 2—23031 23002 ¼ 23002 ¼ 23002 ¼ 23002 ¼ 23002 ¼ 23002 ¼ 23002 ¼	23012 23012 23012 23012 23012 23012 23012 23012 23012 23012	23012 23012x23507 23012x23507 23012x23507 23012x23507 23012x23022 23012x23022 23012x23022 23012x23022

Packed each set in a box, complete with screws. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT STEEL LOCKSETS-With Model "C" Standard Mountings

P23200 Latch PL23421 French door P23601 Inside door P23637 Bathroom door P23461 Bit key, front door	P421 P601 P637	287 297 301 307 312			P23012xP23022
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Packed each set in a box, complete with screws. Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

[†]Bronze knobs and levers have Model "C" spindle mountings. *Steel knobs and levers have standard spindle mountings. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

GLENDALE DESIGN SYMBOL 24

WROUGHT BRONZE, BRASS OR STEEL



No. 240021/x24005



No. 24002¼x24103 No. P24002¼xP24103



No. 24102 No. P24102



No. 24002 1/4 x24005 No. P24002 1/4 xP24005

WROUGHT BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Escutcheons	
Number	Description	Number	Page	Kilobs	Outside	Inside
24200 L24421 24801 24831 24833 24837 24977 24461 24340 24340V 24532 24533	Latch. French door Inside door Inside door Inside door Inside door Bathroom door Communicating door Bit key, front door Cylinder, front door Sliding door (single) Sliding door (double)	340 340V 0532	287 298 301 302 307 308 312 320 321 370 370	24002 1/4 2—24031 Levers 24002 1/4 24002 1/4 24002 1/4 24002 1/4 24002 1/4 24002 1/4 24002 1/4 None None	24100 24101 24103 24103 24103 24103 24103x22 24005 24005 24005 24005 24102 24102	24100 24101 24103 24103 24103 24103x22 24103x22 24103 24103x22 24103 24102 24102

Packed each set in a box, complete with screws. For entrance handle sets, refer to Page Nos. 263 and 264. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

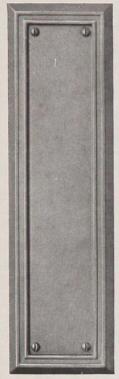
WROUGHT STEEL LOCKSETS—With Standard Spindle Mountings

P24601 P24637 P24461	Latch French door Inside door Bathroom door Bit key, front door	P421 P601 P637 P461	287 297 301 307 312	P24002¼ 2—P24031 Levers P24002¼ P24002¼ P24002¼	P24100 P24101 P24103 P24103 P24103	P24100 P24101 P24103 P24103x22 P24103x22
P24532 P24533	Sliding door (single) Sliding door (double)	P532	370 370	None None	P24102 P24102	P24102 P24102

Packed each set in a box, complete with screws. For entrance handle sets, refer to Page Nos. 263 and 264. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

GLENDALE DESIGN SYMBOL 24

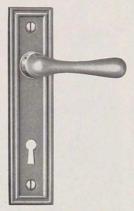
WROUGHT BRONZE, BRASS OR STEEL



No. 24447 No. P24447



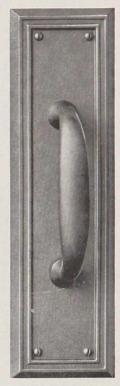
No. 24390 No. P2439



No. 24031x24101 No. P24031xP24101



No. 24546 No. P24546



No. 24647 No. P24647

Number		Size, Inches	Description		
Bronze	Steel	Size, menes	Description		
24100 24101 24103 24005 24102 †24002 ¼ 24390 24447 24453 24647	P24100 P24101 P24103 P24005 P24102 *P24002 1/4 P24447 P244453	334x158 5½x1¼ 8 x2½ 10½x3½ 8 x258 2¼ 334x158 10½x3½8 10½x3½8	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob (one piece) Push button Push plate Push plate Door pull x No. 140 Grip. Refer to Page No. 484		
24653	P24647	10½x3½ 14½x3¼	Door pull x No. P140 Grip. Refer to Page No. 484 Door pull x No. 141 Grip. Refer to Page No. 484		
24546 †24031	P24653 P24546 *P24031	14½x3¼ 1½x3½ 23%	Door pull x No. P141 Grip. Refer to Page No. 484 Flush sash lift Lever handle		

For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number.

When ordering escutcheons only, specify lock with which they are to be used.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

[†]Bronze knobs and levers have Model "C" mountings.

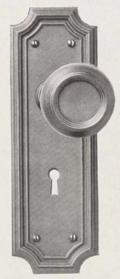
^{*}Steel knobs and levers have standard mountings.



No. 25002 1/4 x 25005

WARREN DESIGN SYMBOL 25

WROUGHT BRONZE, BRASS OR STEEL



No. 25002 1/4 x 25103 No. P25002 1/4 x P25103



No. PD250021/4xP25103



No. 25002 1/4 x 25005 No. P25002 1/4 x P25005

WROUGHT BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Escutcheons		
Number	Description	Number	Page	KIIODS	Outside	Inside	
25200 L25421 25801 25831 25833 25837 25977 25461 †25340 †25340V 25532 25533	Latch. French door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bit key, front door Cylinder, front door Sliding door, Single Sliding door, Double	200 421 801 831 833 837 977 461 340 340V 0532 0533	287 298 301 302 302 307 308 312 320 321 370 370	25002 ¼ 2—25031 Levers 25002 ¼ 25002 ¼ 25002 ¼ 25002 ¼ 25002 ¼ 25002 ¼ 25002 ¼ None None	25100 25101 25103 25103 25103 25103 25103 25103 25005 25005 25005 25005 25102 25102	25100 25101 25103 25103 25103 25103x22 25103x22 25103 25103x22 25103 25103x22 25103 25102 25102	

Packed each set in a box, complete with screws. For entrance door handle sets, refer to Page No. 247. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT STEEL LOCKSETS—With Standard Spindle Mountings

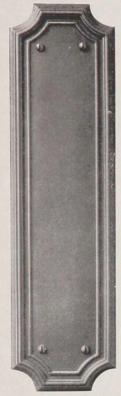
Number	Description	Loc	k	Knobs	Escutcheons		
	Description	Number	Page		Outside	Inside	
P25200 PD25200 PD25200 PL25421 P25601 PD25601 P25637 PD25637 P25461 PD25461 P25532 P25533	Latch Latch French door Inside door Inside door Bathroom door Bathroom door Bit key, front door Sliding door, Single Sliding door, Double	P461	287 287 297 301 301 307 307 312 312 370 370	P25002 1/4 PD25002 1/4 2—P25031 Levers P25002 1/4 PD25002 1/4 PD25002 1/4 PD25002 1/4 PD25002 1/4 PD25002 1/4 None None	P25100 P25100 P25101 P25103 P25103 P25103 P25103 P25005 P25005 P25102 P25102	P25100 P25100 P25101 P25103 P25103 P25103xP22 P25103xP22 P25103 P25103 P25102 P25102	

Packed each set in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WARREN DESIGN SYMBOL 25

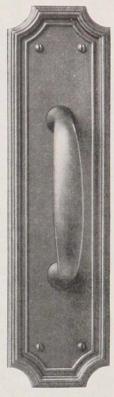
WROUGHT BRONZE, BRASS OR STEEL



No. 25447 No. P25447



No. 25390



No. 25647 No. P25647

Number		Size, Inches	Description		
Bronze	Steel	Size, inches	Description		
25100 25101 25103 25005 25102 †25002 1/4 25390 25447 25647	P25100 P25101 P25103 P25005 P25102 *P25002 1/4 *PD25002 1/4 P25447 P25647 P25546 *P25031	3¾xl½ 5 xl½ 7½x2½ 11 x3 7½x2½ 2¼ 2¼ 3¾xl½ 11 x3 11 x3 11 x3 1½x3¾ 2¾	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob (one piece) Door knob (two piece) Push button Push plate Door pull x No. 140 Grip. Refer to Page No. 484 Door pull x No. P140 Grip. Refer to Page No. 484 Flush sash lift Lever handle. Refer to No. 31C and P31, Page No. 424		

For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes. †Bronze knobs and levers have Model "C" spindle mountings.

^{*}Steel knobs and levers have standard spindle mountings.

FENWICK DESIGN SYMBOL 26

WROUGHT BRONZE, BRASS OR STEEL







No. 26002 x 26103 No. P26002 x P26103



No. 26031 x 26103 No. P26031 x P26103



No. 0215 x 26103 No. 0215 x P26103

Nı	Number		Daniel		
Bronze	Steel	Size, Inches	Description		
26103 26103 ½ 26004 26004 ½ 26005 26002 0215 26031	P26103 P26002 P26031	534x1½ 6 x1½ 638x1½ 7¼x1¾ 8 x2 2 2 23/8	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Door knob (one piece) Model "C" Spindle Mounting Glass door knobs—Refer to Page No. 422 Lever handle, Model "C" Spindle Mounting		

For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Escutcheons	
rumber	Description	Number	Page	RHODS	Outside	Inside
26200 26421 26801 26831 26837 26461 †26340 †26340V RF26200 RF26421 RF26801 RF26831 RF26837	Latch. French door Inside door Inside door Bathroom door Bit key, front door Cylinder, front door Cylinder, vestibule door Latch French door Inside door Inside door Bathroom door	200 421 801 831 837 461 340 340V 200 421 801 831 837	287 298 301 302 307 312 320 321 287 298 301 302 307	26002 26002x26031 Lever 26002 26002 26002 26002 26002 26002 0215 0215x26031 Lever 0215 0215 0215	26103 26103 26103 26103 26103 26004 26005 26005 26103 26103 26103 26103	26103 26103 26103 26103 26103x22 26004 26103 ½x22 26103 26103 26103 26103 26103 26103 26103

Packed each set in a box, complete with screws. If other types or sizes of glass knobs are wanted, change Symbol "RF" to type wanted and prefix the size symbol to the type symbol. Refer to Page No. 422. †Specify thickness of door.
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT STEEL LOCKSETS-With Model "C" Spindle Mounting

	WINOCOTTI DILLE L	COLIDELD	**1011 14100	der o bontale Mountings		
P26200 P26421 P26601 P26637 PRF26200 PRF26421 PRF26601 PRF26637	Latch. French door. Inside door. Bathroom door. Latch. French door. Inside door. Bathroom door.	P601 P637 P200 P421	287 297 301 307 287 297 301 307	P26002 P26002xP26031 P26002 P26002 0215 0215xP26031 0215 0215	P26103 P26103 P26103 P26103 P26103 P26103 P26103 P26103	P26103 P26103 P26103 P26103xP22 P26103 P26103 P26103xP22

Packed each set in a box, complete with screws. If other types or sizes of glass knobs are wanted, change Symbol "RF" to type wanted and prefix the size symbol to the type symbol. Refer to page No. 422. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

IMPERIAL DESIGN SYMBOL 27

WROUGHT BRONZE OR BRASS









No. 270021/4x27012



No. 270021/4x27103



Number Bronze	Size, Inches	Description
27103 27103 ½ 27002 27002 ¼ 0215 27025 27011 27012 27193 27022 27023 27390 27507	6 1/4 x l 3/4 6 1/8 x l 5/8 2 2 1/4 2 3 3/8 x 2 2 3/4 x l 3/4 3 5/8 x l 5/8 7 1/2 x 2 1/8 2 5/8 x l 1/8 2 3/4 x l 3/4 2 5/8 x l 1/8	Escutcheon Escutcheon Knob rose Door knob (one piece), Model "C" spindle mounting Glass door knob. Refer to Page No. 422 Cylinder plate Knob rose Knob rose Knob rose Door knocker Turn knob on plate, 3/6 inch spindle on diamond Turn knob on plate, 3/2 inch flat spindle Push button Key escutcheon

For escutcheons with turn knobs, suffix "x No. 22" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT BRONZE AND BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Number Description	Lock		Knobs	Escutcheons	
Number		Number	Page	KHODS	Outside	Inside
27200 27801 27831 27833 27837 †S27340V RF27200 RF27801 RF27831 RF27833 RF27837	Latch Inside door Inside door Inside door Inside door Bathroom door Cylinder, front door Cylinder, vestibule door Latch Inside door Inside door Inside door Inside door Bathroom door		287 301 302 302 307 320 321 287 301 302 302 307	27002 27002 27002 27002 27002 27002 14x27002 27002 15x27002 0215 0215 0215 0215 0215	27103 27103 27103 27103 27103 27025 27025 27103 27103 27103 27103 27103	27103 27103 27103 27103 27103*22 27103*22 27103 27103 27103 27103 27103 27103 27103 27103

Packed each set in a box, complete with screws.
For entrance door handle sets, refer to Page No. 252.
If other types or sizes of glass knobs are wanted, change the Symbol "RF" to type wanted and prefix the size symbol to the type symbol. Refer to Page No. 422.
†Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

MONTROSE DESIGN SYMBOL 28

WROUGHT BRONZE, BRASS OR STEEL



No. 28002¼ x 28005



No. 28390



No. 28002 x 28012 No. P28002 x P28012



No. 28507 No. P28507





No. 28031 x 28103 No. P28031 x P28103



No. 28002 1/4 x 28005 No. P28002 1/4 x P28005

Nu	Number		Description		
Bronze	Steel	Size, Inches	Description		
28103 28005 28002 28002 ¹ / ₄ 0215 28012 28022 28023 28507 28390 28031	P28103 P28005 P28002 P28002 1/4 P28012 P28022 P28022 P28023 P28507	5 ½x1 ½ 836x23/6 2 2¼ 2 2½x1 3¼ 23/6x13/6 23/6x13/6 23/6x13/6 2½x1 3¼ 2½x1 3¼	Escutcheon Escutcheon Door knob (one piece), Model "C" spindle mounting Door knob (one piece), Model "C" spindle mounting Glass door knob—Refer to Page No. 422 Knob rose Turn knob on plate, 3 16 inch spindle on diamond Turn knob on plate, 7 16 inch flat spindle Key escutcheon Push button Lever handle, Model "C" spindle mounting		

No. 0215 x 28103 No. 0215 x P28103

For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

No. 28002 x 28103 No. P28002 x P28103

MONTROSE DESIGN SYMBOL 28

WROUGHT BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Trim		
Number	Description	Number	Page	KHODS	Outside	Inside	
28200 28421 L28421 28801 28837 ½ 28837 28471 †28340 †28340V	Latch. French door French door Inside door Bathroom door (½ Trim) Bathroom door Cylinder, front door Cylinder, vestibule door	421 801 837 837 471 340	287 298 298 301 307 307 313 320 321	28002 28002x28031 Lever 2—28031 Levers 28002 ½ Pr.—28002 28002 28002 ¼x28002 28002 ¼x28002 28002 ¼x28002	28103 28103 28103 28103 None 28103 28005 28005 28005	28103 28103 28103 28103 28103*22 28103*22 28005 28012*28022 28103	

WROUGHT BRONZE OR BRASS, GLASS KNOB LOCKSETS-With Model "C" Spindle Mountings

RF28200 RF28P200	LatchLatch	200 *P200	287 287	0215 0215	28103 28103	28103 28103
RF28P421	French door		297	0215x28031 Lever	28103	28103
L28P421	French door	*P421	297	2—28031 Levers	28103	28103
RF28421	French door		298	0215x28031 Lever	28103	28103
L28421	French door		298	2—28031 Levers	28103	28103
RF28801 RF28P601	Inside door		301	0215 0215	28103 28103	28103 28103
RF28837½	Inside door	1001	307	½ Pr.—0215	None	28103x22
RF28837	Bathroom door	837	307	0215	28103	28103x22
RF28P637½	Bathroom door (½ Trim)		307	½ Pr.—0215	None	28103x22
RF28P637	Bathroom door	*P637	307	0215	28103	28103x22
28471×RF	Bit key, front door		313	28002 ¼x0215	28005	28005
†28340xRF †28340VxRF	Cylinder, front door Cylinder, vestibule door		320 321	28002¼x0215 28002¼x0215	28005 28005	28012x28022 28103

Packed each set in a box, complete with screws.

If other types or sizes of glass knobs are wanted, change the Symbol "RF" to type wanted and prefix the size symbol to the type symbol. Refer to Page No. 422.

WROUGHT STEEL LOCKSETS—With Model "C" Spindle Mountings

P28421 PL28421 P28601 P28637 1/2 P28637	Latch. French door French door Inside door Bathroom door (½ Trim) Bathroom door Bit key, front door	P421 P421 P601 P637 P637	287 297 297 301 307 307 313	P28002 P28002xP28031 Lever 2—P28031 Levers P28002 ½ Pr.—P28002 P28002 P28002 ½xP28002	P28103 P28103 P28103 P28103 None P28103 P28005	P28103 P28103 P28103 P28103 P28103xP22 P28103xP22 P28005
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WROUGHT STEEL GLASS KNOB LOCKSETS—With Model "C" Spindle Mountings

PL28421 French door P421 297 2—P28031 Levers P28103 PRF28601 Inside door P601 301 0215 P28103 PRF28637½ Bathroom door P637 307 P7.—0215 None PRF28637 Bathroom door P637 307 0215 P28103	PRF28637½	Inside door Bathroom door (½ Trim)	P421 P421 P601 P637	307	½ Pr.—0215	None	P28103 P28103 P28103 P28103 P28103xP22 P28103xP22
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Packed each set in a box, complete with screws.

If other types or sizes of glass knobs are wanted, change the Symbol ''RF'' to type wanted and prefix the size symbol to the type symbol. Refer to Page No. 422.

If sectional trim locksets are wanted, prefix Symbol "S" to above lockset numbers.

[†]Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

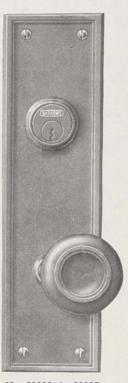
^{*}Steel face locks.

CAMBRAY DESIGN SYMBOL 29

WROUGHT BRONZE, BRASS OR STEEL



No. 29002 4 x 29103 No. P29002 4 x P29103



No. 290021/4 x 29005



No. 29002 1/4 x 29005 No. P29002 1/4 x P29005

WROUGHT BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Escutcheons	
Number	Description	Number	Page	KHODS	Outside	Inside
29200 L29421 29801 29831 29833 29837 29977 29461 †29340 †29340V	Latch French door Inside door Inside door Inside door Inside door Communicating door Bit key, front door Cylinder, front door Cylinder, vestibule door	200 421 801 831 833 837 977 461 340 340V	287 298 301 302 302 307 308 312 320 321	29002 ¼ 2—29031 Levers 29002 ¼ 29002 ¼ 29002 ¼ 29002 ¼ 29002 ¼ 29002 ¼ 29002 ¼ 29002 ¼ 29002 ¼ 29002 ¼	29103 29101 29103 29103 29103 29103 29103x22 29005 29005 29005	29103 29101 29103 29103 29103 29103x22 29103x22 29103 29103x22 29103

Packed each set in a box, complete with screws.

†Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

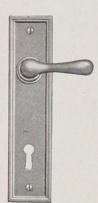
WROUGHT STEEL LOCKSETS—With Standard Spindle Mountings

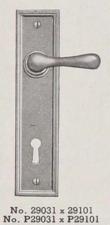
P29200 PD29200 PL29421 P29601 PD29601 P29637 PD29637 P29461 PD29461	Latch Latch French door Inside door Inside door Bathroom door Bathroom door Bit key, front door Bit key, front door	P200 P421 P601 P601 P637 P637 P461	287 287 297 297 301 307 307 312	P29002 ¼ PD29002 ¼ 2—P29031 Levers P29002 ¼ PD29002 ¼ P29002 ¼ PD29002 ¼ PD29002 ¼ PD29002 ¼ PD29002 ¼	P29103 P29103 P29101 P29103 P29103 P29103 P29103 P29005 P29005	P29103 P29103 P29101 P29103 P29103x22 P29103x22 P29103 P29103
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Packed each set in a box, complete with screws.

CAMBRAY DESIGN SYMBOL 29

WROUGHT BRONZE, BRASS OR STEEL











No. 29647 No. P29647

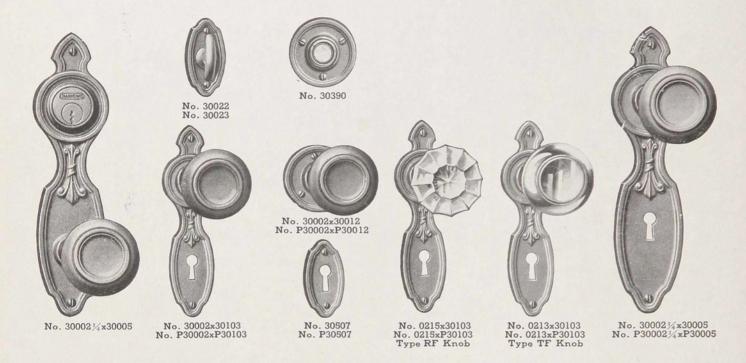
Number		Size, Inches	Description		
Bronze	Steel	Size, menes	Description		
29101 29103 29005 †29002 ¹ / ₄ †29031 29447 29647	P29101 P29103 P29005 *P29002 1/4 PD29002 1/4 *P29031 P29447	5 ¼xl ¼ 7 x2¼ 10 x2¾ 2¼ 2¼ 2¼ 23/8 10 x2¾ 10 x2¾ 10 x2¾	Escutcheon Escutcheon Escutcheon Door knob (one piece) Door knob (two piece) Lever handle Push plate Door pull x No. 140 Grip. Refer to Page No. 484 Door pull x No. 140 Grip. Refer to Page No. 484		

For escutcheons with turn knobs suffix "x No. 22" or "x No. P22" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes. †Bronze knobs or levers have Model "C" spindle mountings.

*Steel knobs or levers have standard spindle mountings.

CARLTON DESIGN SYMBOL 30

WROUGHT BRONZE, BRASS OR STEEL



Number		Size, Inches	Description		
Bronze	Steel	, bize, inches	Description		
30103 30005 30002 30002 4 0215 30012 30022 30023 30507 30390 30031	P30103 P30005 P30002 P30002 1/4 P30012 P30022 P30023 P30507	53/8xl ½ 8 x2½ 2 2½ 2 2¼xl ½ 2½xl ½ 2¼xl ½ 2¼xl ½ 2¼xl ½ 2¼xl ½ 2¾xl ½	Escutcheon Escutcheon Door knob (one piece), Model "C" spindle mounting Door knob (one piece), Model "C" spindle mounting Glass door knob. Refer to Page No. 422 Knob rose Turn knob on plate, 16 inch spindle on diamond Turn knob on plate, 12 inch flat spindle Key escutcheon Push button Lever handle, Model "C" spindle mounting Refer to No. 31C, Page 424		

For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CARLTON DESIGN SYMBOL 30

WROUGHT BRONZE, BRASS OR STEEL

WROUGHT BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Trim		
Number	Description	Number	Page	KHODS	Outside	Inside	
30200 30421 L30421 30801 30837 ½ 30837 30471 †30340 †30340V	Latch. French door French door Inside door Bathroom door (½ Trim) Bathroom door Cylinder, front door Cylinder, vestibule door	421 801 837 837 471	287 298 298 301 307 307 313 320 321	30002 30002x30031 Lever 2—30031 Levers 30002 ½ Pr. 30002 30002 30002 ¼x30002 30002 ¼x30002 30002 ¼x30002	30103 30103 30103 30103 None 30103 30005 30005 30005	30103 30103 30103 30103 30103x22 30103x22 30005 30012x30022 30103	

WROUGHT BRONZE OR BRASS, GLASS KNOB LOCKSETS-With Model "C" Spindle Mountings

RF30200	Latch	200	287	0215	30103	30103
RF30P200	Latch	*P200	287	0215	30103	30103
RF30421	French door	421	297	0215x30031 Lever	30103	30103
L30421	French door	421	297	2—30031 Levers	30103	30103
RF30P421	French door	*P421	297	0215x30031 Lever	30103	30103
L30P421	French door	*P421	297	2—30031 Levers	30103	30103
RF30801	Inside door	801	301	0215	30103	30103
RF30P601	Inside door	*P601	301	0215	30103	30103
RF30837 ½	Bathroom door (½ Trim)	837	307	½ Pr. 0215	None	30103x22
RF30837	Bathroom door	837	307	0215	30103	30103x22
RF30P637½	Bathroom door (½ Trim)	*P637	307	½ Pr. 0215	None	30103x22
RF30P637	Bathroom door	*P637	307	0215	30103	30103x22
30471xRF	Bit key, front door	471	313	30002¼x0215	30005	30005
†30340x RF	Cylinder, front door		320	30002 1/4 x 02 15	30005	30012x30022
†30340VxRF	Cylinder, vestibule door	340V	321	30002 1/4 x 02 15	30005	30103

Packed each set in a box, complete with screws.

†Specify thickness of door. *Steel face locks.

If other types or sizes of glass knobs are wanted, change the Symbol "RF" to type wanted and prefix the size symbol to the type symbol. Refer to Page No. 422.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT STEEL LOCKSETS—With Model "C" Spindle Mountings

P30200	Latch		287	P30002	P30103	P30103
P30421	French door.		297	P30002xP30031 Lever	P30103	P30103
PL30421 P30601 P30637 ½ P30637 P30471	French door. Inside door. Bathroom door (½ Trim). Bathroom door. Bit key, front door.	P601 P637 P637	297 301 307 307 313	2—P30031 Levers P30002 ½ Pr. P30002 P30002 P30002 ¼xP30002	P30103 P30103 None P30103 P30005	P30103 P30103 P30103xP22 P30103xP22 P30005

WROUGHT STEEL, GLASS KNOB LOCKSETS—With Model "C" Spindle Mountings

PRF30200 PRF30421 PL30421 PRF30601	Latch. French door. French door.	P421 P421	287 297 297 301	0215 0215xP30031 Lever 2—P30031 Levers 0215	P30103 P30103 P30103 P30103	P30103 P30103 P30103 P30103
PRF30637 PRF30637 P30471xRF	Inside door. Bathroom door (½ Trim). Bathroom door. Bit key, front door.	P637 P637	307 307 313	½ Pr. 0215 0215 P30002¼x0215	None P30103 P30005	P30103xP22 P30103xP22 P30005

Packed each set in a box, complete with screws.

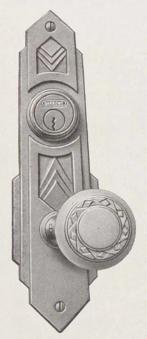
If other types or sizes of glass knobs are wanted, change the Symbol "RF" to type wanted and prefix the size symbol to the type symbol. Refer to Page No. 422.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

If sectional trim locksets are wanted, prefix Symbol "S" to above lockset Numbers.

MELVILLE DESIGN SYMBOL 31

WROUGHT BRONZE, BRASS OR STEEL



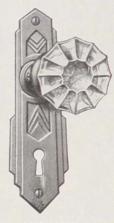
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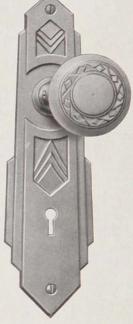
No. 31002x31103 No. P31002xP31103



No. 0213x31103 No. 0213xP31103 Type "TF" Knob



No. 0215x31103 No. 0215xP31103 Type "RF" Knob



No. 310021/x31005 No. P310021/xP31005

Number		Size, Inches	Description		
Bronze	Steel	bize, menes	Description		
31103 31103½ 31005 31002 31002¼ 0213 0215 31031	P31103 P31005 P31002 P31002 P310031	5½x1¾ 6¾8x1¾ 9½8x2½ 2 2¼ 2 2 2 2 2¾	Escutcheon Escutcheon Escutcheon Door knob (one piece), Model "C" spindle mounting Door knob (one piece), Model "C" spindle mounting Glass door knob "F". Refer to Page No. 422 Glass door knob "RF". Refer to Page No. 422 Lever handle, Model "C" spindle mounting Refer to No. 31C or P31C, Page No. 424		

For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

MELVILLE DESIGN SYMBOL 31

WROUGHT BRONZE, BRASS OR STEEL

WROUGHT BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

N	D	Lock		W 1	Trim		
Number	Description	Number	Page	Knobs	Outside	Inside	
31200 31421 L31421 31801 31837 1/2 31837 31471 †31340 †31340V	Latch. French door. French door. Inside door. Bathroom door (½ Trim). Bathroom door. Bit key, front door. Cylinder, front door. Cylinder, vestibule door.	200 421 421 801 837 837 471 340 340V	287 298 298 301 307 307 313 320 321	31002 31002x31031 Lever 2—31031 Levers 31002 ½ Pr. 31002 31002 31002½x31002 31002½x31002 31002½x31002	31103 31103 31103 31103 None 31103 31005 31005 31005	31103 31103 31103 31103 31103x22 31103x22 31005 31103½x22 31103	

WROUGHT BRONZE OR BRASS, GLASS KNOB LOCKSETS-With Model "C" Spindle Mountings

RF31200 RF31P200	Latch	200 *P200	287	0215	31103	31103
	Latch		287	0215	31103	31103
RF31421	French door	421	298	0215x31031 Lever	31103	31103
L31421	French door	421	298	2—31031 Levers	31103	31103
RF31P421	French door	*P421	297	0215x31031 Lever	31103	31103
L31P421	French door	*P421	297	2—31031 Levers	31103	31103
RF31801	Inside door	801	301	0215	31103	31103
RF31P601	Inside door	*P601	301	0215	31103	31103
RF31837½	Bathroom door (½ Trim)	837	307	½ Pr. 0215	None	31103x22
RF31837	Bathroom door	837	307	0215	31103	31103x22
RF31P637½	Bathroom door (½ Trim)	*P637	307	½ Pr. 0215	None	31103x22
RF31P637	Bathroom door	*P637	307	0215	31103	31103x22
31471xRF	Bit key, front door	471	313	31002¼x0215	31005	31005
†31340xRF	Cylinder, front door	340	320	31002¼x0215	31005	31103½x22
†31340VxRF	Cylinder, vestibule door	340V	321	31002¼x0215	31005	31103

Packed each set in a box, complete with screws.

If other types or sizes of glass knobs are wanted, change the Symbol "RF" to type wanted, and prefix size symbol to the type symbol. Refer to Page No. 422.

WROUGHT STEEL, GLASS KNOB LOCKSETS-With Model "C" Spindle Mountings

P31200 P31421 PL31421	Latch	P421	287 297	P31002 P31002xP31031 Lever 2—P31031 Levers	P31103 P31103 P31103	P31103 P31103 P31103
P31601 P31637 ½ P31637 P31471	French door. Inside door. Bathroom door (½ Trim). Bathroom door. Bit key, front door.	P601 P637 P637	297 301 307 307 313	P31031 Levers P31002 Yer. P31002 P31002 P31002 YxP31002	P31103 P31103 None P31103 P31005	P31103 P31103 P31103xP22 P31103xP22 P31005

WROUGHT STEEL LOCKSETS—With Model "C" Spindle Mountings

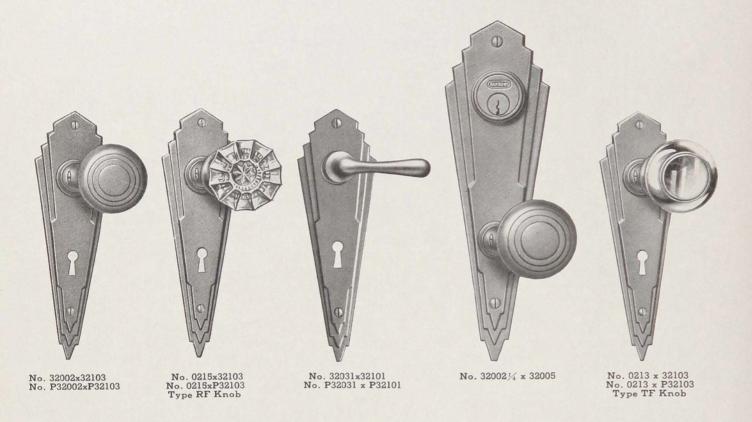
Packed each set in a box, complete with screws. If other types or sizes of glass knobs are wanted, change the Symbol ''RF'' to type wanted, and prefix size symbol to the type symbol. Refer to Page No. 422. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

^{*}Steel face locks.

[†]Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CARLISLE DESIGN SYMBOL 32

WROUGHT BRONZE, BRASS OR STEEL



Num	Number		Description		
Bronze	Steel	Size, Inches	Description		
32101 32103 32005 32002 32002 1/4 0215 32031	P32101 P32103 P32005 P32002 P32002 1/4	7½x2¼ 7½x2¼ 9½x3 2 2¼ 2 2½ 23%	Escutcheon Escutcheon Escutcheon Door knob (one piece), Model "C" spindle mounting Door knob (one piece), Model "C" spindle mounting Glass door knob. Refer to Page No. 422 Lever handle, Model "C" spindle mounting		

For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CARLISLE DESIGN SYMBOL 32

WROUGHT BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Trim		
Number	Bescription	Number	Page	RHODS	Outside	Inside	
32200 32421 L32421 32801 32837 ½ 32837 32461 †32340 †32340V	Latch. French door. French door Inside door Bathroom door (½ Trim). Bathroom door. Bit key, front door. Cylinder, front door. Cylinder, vestibule door.	421 421 801 837 837 461 340	287 298 298 301 307 307 312 320 321	32002 32002x32031 Lever 2—32031 Levers 32002 ½ Pr.—32002 32002 32002 ¼x32002 32002 ¼x32002 32002 ¼x32002	32103 32103 32103 32103 None 32103 32005 32005 32005	32103 32103 32103 32103 32103x22 32103x22 32103 32103x22 32103	

WROUGHT BRONZE OR BRASS, GLASS KNOB LOCKSETS—With Model "C" Spindle Mountings

RF32200	Latch	200	287	0215	32103	32103
RF32P200	Latch	*P200	287	0215	32103	32103
RF32421	French door	421	298	0215x32031 Lever	32103	32103
RF32P421	French door	*P421	297	0215x32031 Lever	32103	32103
L32421	French door	421	298	2—32031 Levers	32103	32103
L32P421	French door	*P421	297	2—32031 Levers	32103	32103
RF32P601	Inside door	*P601	301	0215	32103	32103
RF32801	Inside door	801	301	0215	32103	32103
RF32P637 1/2	Bathroom door (½ Trim)	*P637	307	½ Pr.—0215	None	32103x22
RF32P637	Bathroom door	*P637	307	0215	32103	32103x22
RF32837 ½	Bathroom door (½ Trim)	837	307	½ Pr.—0215	None	32103x22
RF32837	Bathroom door	837	307	0215	32103	32103x22
32461xRF	Bit key, front door	461	312	32002¼x0215	32005	32103
†32340xRF	Cylinder, front door	340	320	32002¼x0215	32005	32103x22
†32340V×RF	Cylinder, vestibule door	340V	321	32002 ¹ / ₄ x0215	32005	32103

Packed each set in a box, complete with screws.

If other types or sizes of glass knobs are wanted, change the Symbol "RF" to type wanted and prefix the size, symbol, to the type symbol. Refer to Page No. 422.

†Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

*Steel face locks.

For entrance door handle sets, refer to Page No. 253.

WROUGHT STEEL LOCKSETS—With Model "C" Spindle Mountings

P32200 Latch P32421 French door PL32421 French door P32601 Inside door P32637 ½ Bathroom door 1/2 Tr P32637 Bathroom door Bit key, front door	P421 P421 P421 P601 P637 P637	287 297 297 301 307 307 312	P32002 P32002xP32031 Lever 2—P32031 Levers P32002 ½ Pr.—P32002 P32002 P32002	P32103 P32103 P32103 P32103 None P32103 P32005	P32103 P32103 P32103 P32103 P32103xP22 P32103xP22 P32103
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WROUGHT STEEL, GLASS KNOB LOCKSETS—With Model "C" Spindle Mountings

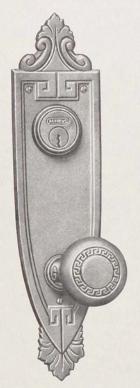
PRF32421 PL32421	Latch French door French door	P421 P421	287 297 297 301	0215 0215xP32031 Lever 2—P32031 Levers 0215	P32103 P32103 P32103 P32103	P32103 P32103 P32103 P32103
PRF32637 ½	Inside door	P637	307	½ Pr.—0215	None	P32103xP22
PRF32637		P637	307	0215	P32103	P32103xP22

Packed each set in a box, complete with screws.

If other types or sizes of glass knobs are wanted, change the Symbol "RF" to type wanted and prefix the size, symbol, to the type symbol. Refer to Page No. 422.

EASTLAKE DESIGN SYMBOL 33

WROUGHT BRONZE, BRASS OR STEEL



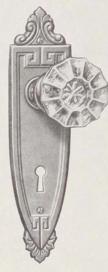
No. 33002x33005



No. 33002x33103 No. P33002xP33103



No. 0213x33103 No. 0213xP33103 Type TF Knob



No. 0215x33103 No. 0215xP33103 Type RF Knob



No. 33002x33005 No. P33002xP33005

N	Number		Description		
Bronze	Steel	Size, Inches	Description		
33103 33005 33002 0213 0215 33031	P33103 P33005 P33002	71/4×13/4 103/8×25/8 2 2 2 2 2 23/8	Escutcheon Escutcheon Door knob (one piece), Model "C" spindle mounting Glass door knob. Refer to Page No. 422 Glass door knob. Refer to Page No. 422 Lever handle, Model "C" spindle mounting Refer to No. 31C or P31C, Page No. 424		

For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

EASTLAKE DESIGN SYMBOL 33

WROUGHT BRONZE, BRASS OR STEEL

WROUGHT BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Number Description	Lock		Knobs	Trim	
Number		Number	Page	KHODS	Outside	Inside
33200 33421 L33421 33801 33837 33837 33461 †33340 †33340V	Latch French door French door Inside door Bathroom door (½ Trim) Bathroom door Bit key, front door Cylinder, front door Cylinder, vestibule door	421 801 837 837 461 340	287 298 298 301 307 307 312 320 321	33002 33002x33031 Lever 2—33031 Levers 33002 ½ Pr. 33002 33002 33002 33002 33002	33103 33103 33103 33103 None 33103 33005 33005 33005	33103 33103 33103 33103 33103x22 33103x22 33103 33103x22 33103

WROUGHT BRONZE OR BRASS, GLASS KNOB LOCKSETS-With Model "C" Spindle Mountings

RF33200	Latch	200	287	0215	33103	33103
RF33P200	Latch	*P200	287	0215	33103	33103
RF33421	French door	421	298	0215x33031 Lever	33103	33103
L33421	French door	421	298	2—33031 Levers	33103	33103
RF33P421	French door		297	0215x33031 Lever	33103	33103
L33P421	French door		297	2—33031 Levers	33103	33103
RF33801	Inside door		301	0215	33103	33103
RF33P601	Inside door		301	0215	33103	33103
RF33837½	Bathroom door (½ Trim)	837	307	0215	None	33103x22
RF33837	Bathroom door	837	307	0215	33103	33103x22
RFP33637½	Bathroom door (½ Trim)	P637	307	0215	None	33103x22
RFP33637	Bathroom door	P637	307	0215	33103	33103x22
33461xRF	Bit key, front door		312	33002x0215	33005	33103
†33340xRF	Cylinder, front door		320	33002x0215	33005	33103x22
†33340VxRF	Cylinder, vestibule door	340V	321	33002x0215	33005	33103

Packed each set in a box, complete with screws. For entrance door handle set, refer to Page No. 252.

†Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT STEEL LOCKSETS—With Model "C" Spindle Mountings

P33421 French door French door Inside door Bathroom do Bathroom do Bathroom do	P200 P421 P421 P421 P601 P601 P637 P637 P637 P637 t door P461	287 297 297 301 307 307 312	P33002 P33002xP33031 Lever 2—P33031 Levers P33002 ½ Pr. P33002 P33002 P33002	P33103 P33103 P33103 P33103 None P33103 P33005	P33103 P33103 P33103 P33103 P33103xP22 P33103xP22 P33103
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WROUGHT STEEL, GLASS KNOB LOCKSETS—With Model "C" Spindle Mountings

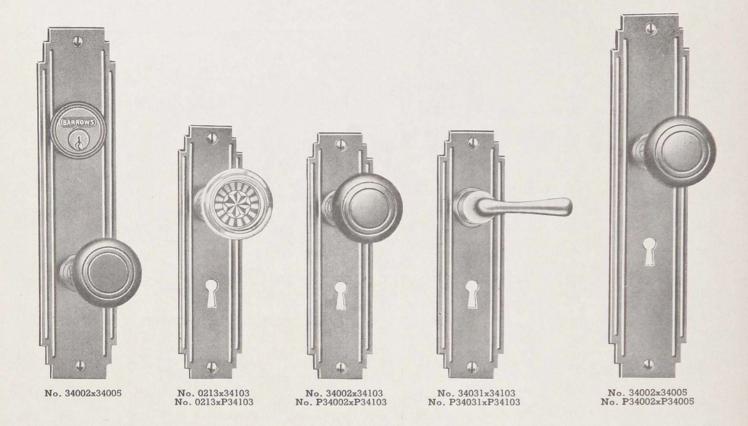
PRF33601 PRF33637 ½ PRF33637	Latch French door. French door. Inside door. Bathroom door (½ Trim). Bathroom door.	P421 P421 P601 P637	287 297 297 301 307 307	0215 0215xP33031 Lever 2—P33031 Levers 0215 ½ Pr. 0215 0215	P33103 P33103 P33103 P33103 None P33103	P33103 P33103 P33103 P33103 P33103xP22 P33103xP22
P33461xRF	Bit key, front door		312	P33002x0215	P33005	P33103

Packed each set in a box, complete with screws. If other types or sizes of glass knobs are wanted, change the Symbol "RF" to type wanted, and prefix the size symbol to the type symbol. Refer to Page No. 422. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

^{*}Steel face locks. If other types or sizes of glass knobs are wanted, change the Symbol "RF" to type wanted, and prefix the size symbol to the type symbol. Refer to Page No. 422.

LOCART DESIGN SYMBOL 34

WROUGHT BRONZE, BRASS OR STEEL



Number		Size, Inches	Description			
Bronze	Steel	Dize, mones	Description			
34103 34005 34002 0213 34447 34453 34647 34653 34031	P34103 P34005 P34002 P34447	67/sx2 10x23/s 2 2 10 x23/s 14 1/2x23/4 10 x23/s 14 1/2x23/4 23/s	Escutcheon Escutcheon Door knob (one piece), Model "C" spindle mounting Glass door knob. Refer to Page No. 422 Push plate Push plate Push plate Door pull x Grip No. 190. Refer to Page No. 489 Door pull x Grip No. 191. Refer to Page No. 489 Lever handle, Model "C" spindle mounting			

For escutcheons with turn knob, suffix "x No. 22" or "x No. P22" to Number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

LOCART DESIGN SYMBOL 34

WROUGHT BRONZE, BRASS OR STEEL

WROUGHT BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

Number Description	Lock		Knobs	Trim		
rumber	Description	Number	Page	Anobs	Outside	Inside
34200 34421 L34421 34801 34837 34837 34461 †34340 †34340V	Latch. French door. French door Inside door. Bathroom door (½ Trim). Bathroom door. Bit key, front door. Cylinder, front door. Cylinder, vestibule door.	801 837 837	287 298 298 301 307 307 312 320 321	34002 34002x34031 Lever 2—34031 Levers 34002 ½ Pr. 34002 34002 34002 34002 34002 34002	34103 34103 34103 34103 None 34103 34005 34005 34005	34103 34103 34103 34103 34103x22 34103x22 34103 34103x22 34103

WROUGHT BRONZE OR BRASS, GLASS KNOB LOCKSETS-With Model "C" Spindle Mountings

TF34200	Latch	200	287	0213	34103	34103
TF34P200	Latch	*P200	287	0213	34103	34103
TF34421	French door	421	298	0213x34031 Lever	34103	34103
L34421	French door	421	298	2—34031 Levers	34103	34103
TF34P421	French door	*P421	297	0213x34031 Lever	34103	34103
L34P421	French door	*P421	297	2—34031 Levers	34103	34103
TF34801	Inside door	801	301	0213	34103	34103
TF34P601	Inside door	*P601	301	0213	34103	34103
TF34837 ½	Bathroom door (½ Trim)	837	307	½ Pr. 0213	None	34103x22
TF34837	Bathroom door	837	307	0213	34103	34103x22
TF34P637 1/2	Bathroom door (½ Trim)	*P637	307	½ Pr. 0213	None	34103x22
TF34P637	Bathroom door	*P637	307	0213	34103	34103x22
34461xTF	Bit key, front door	461	312	34002x0213	34005	34103
†34340xTF	Cylinder, front door	340	320	34002x0213	34005	34103x22
†34340VxTF	Cylinder, vestibule door	340V	321	34002x0213	34005	34103

Packed each set in a box, complete with screws.

If other types or sizes of glass knobs are wanted, change the Symbol "TF" to type wanted and prefix the size symbol to the type symbol. Refer to Page No. 422. For entrance door handle sets refer to Pages Nos. 253 and 265.

†Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT STEEL LOCKSETS-With Model "C" Spindle Mountings

WROUGHT STEEL, GLASS KNOB LOCKSETS—With Model "C" Spindle Mountings

PTF34601 PTF34637 1/2	Latch. French door. French door. Inside door. Bathroom door (½ Trim).	P421 P421 P601 P637	287 297 297 301 307	0213 P34002xP34031 Lever 2—P34031 Levers 0213 ½ Pr. 0213	P34103 P34103 P34103 P34103 None P34103	P34103 P34103 P34103 P34103 P34103xP22 P34103xP22
PTF34637	Bathroom door		307	0213	P34103	P34103xP22
P34461xTF	Bit key, front door		312	P34002x0213	P34005	P34103

Packed each set in a box, complete with screws.

If other types or sizes of glass knobs are wanted, change the Symbol "TF" to type wanted and prefix the size symbol to the type symbol. Refer to Page No. 422.

^{*}Steel face locks.

BAYSIDE DESIGN SYMBOL 35

WROUGHT BRONZE, BRASS OR STEEL







No. 0213x35103 No. 0213xP35103 Type TF Knob



No. 35002x35103 No. P35002xP35103



No. 35031x35103 No. P35031xP35103

	Number		Description			
Bronze	Steel	Size, Inches	Description			
35103 35002 0213	P35103 P35002	8x13/ ₄ 2	Escutcheon Door knob (one piece), Model "C" spindle mounting Glass door knob. Refer to Page No. 422			
0216 35031	P35031	2 23/8	Glass door knob. Refer to Page No. 422 Glass door knob. Refer to Page No. 422 Lever handle, Model "C" spindle mounting			

For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number. When ordering escutcheons only, specify lock with which they are to be used.

WROUGHT BRONZE AND BRASS LOCKSETS-With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Escutcheons		
rumber	Description	Number	Page	KHODS	Outside	Inside	
35200 35421 L35421 35801 35831 35837 TF35200 TF35421 35461 TF35801 TF35831 TF35837	Latch French door French door Inside door Inside door Bathroom door Latch French door Bit key, front door Inside door Inside door Inside door Bathroom door		287 298 298 301 302 307 287 298 312 301 302 307	35002 35002x35031 Lever 2—35031 Levers 35002 35002 35002 0213 0213x35031 Lever 35002 0213 0213 0213	35103 35103 35103 35103 35103 35103 35103 35103 35103 35103 35103	35103 35103 35103 35103 35103 35103 35103 35103x22 35103 35103 35103 35103	

Packed each set in a box, complete with screws. If other types or sizes of glass knobs are wanted, change Symbol "TF" to type wanted and prefix the size symbol to the type symbol. Refer to Page 422. For entrance door handle sets refer to Page 252.

WROUGHT STEEL LOCKSETS-With Model "C" Spindle Mountings

P35200 P35421 PL35421 P35461 P35601 P35637 PTF35200 PTF35421 PTF35601 PTF35637	Latch. French door. French door. Bit key, front door. Inside door. Bathroom door. Latch. French door. Inside door. Bathroom door. Bathroom door.	P461 P601 P637 P200 P421 P601	287 297 297 312 301 307 287 297 301 307	P35002 P35002xP35031 Lever 2—P35031 Levers P35002 P35002 P35002 0213 0213xP35031 Lever 0213 0213	P35103 P35103 P35103 P35103 P35103 P35103 P35103 P35103 P35103 P35103	P35103 P35103 P35103 P35103 P35103 P35103xP22 P35103 P35103 P35103xP22
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Packed each set in a box, complete with screws. If other types or sizes of glass knobs are wanted, change Symbol "TF" to type wanted and prefix the size symbol to the type symbol. Refer to Page No. 422. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

[FUTURE DESIGNS]

ALSTEAD DESIGN SYMBOL 36

WROUGHT BRONZE, BRASS OR STEEL



No. 36025



Nos. 36507 — P36507



Nos. 36002¼ x 36012—P36002¼ x P36012 Type Nos. 36001¾ x 36011—P36001¾ x P36011 Type Nos. 36002 x 36011—P36002 x P36011



No. 36022—P36022 No. 36023—P36023

Nun	Number		Description		
Bronze	Steel	Size, Inches	2 Sucripius		
36001 ³ / ₄ 36002 36002 ¹ / ₄ 36025 36011 36012 36022 36023 36507	P36001 3/4 P36002 P36002 1/4 P36011 P36012 P36022 P36023 P36507	13/4 2 21/4 13/4 Dia. 15/8 2 13/4x13/6 13/4x13/6 13/4x13/6	Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Cylinder ring. Refer to No. 4, Page No. 407 Knob rose Knob rose Turn knob on plate, 3/6 inch spindles on diamond Turn knob on plate, 7/32 inch flat spindles Key escutcheon		

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT BRONZE OR BRASS LOCKSETS—Packed With 13/4 Inch Knobs, With Model "C" Spindle Mounting

Set	Description	Lock		Trim			
Number	Description	Number	Page	Knobs	Roses	Plates	
A36200 A36801 A36831 A36833 A36827 A36837 A36977 †A36340 †A36340V	Latch . Inside door . Inside door . Inside door . Bathroom door . Bathroom door . Communicating door . Cylinder, front door . Cylinder, vestibule door .	200 801 831 833 827 837 977 340 340V	287 301 302 302 307 307 308 320 321	3600134 3600134 3600134 3600134 3600134 3600134 3600134 3600134	36011 36011 36011 36011 36011 36011 36011	None 36507 36507 36507 36507x36022 36507x36022 36022 36025x36022	

Packed each set in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes. †Specify Thickness of Door.

WROUGHT STEEL LOCKSETS—Packed With 13/4 Inch Knobs, With Model "C" Spindle Mountings

Set Description	Description	Lock		Trim		
	Number	Page	Knobs	Roses	Plates	
PA36200 PA36601 PA36637	Latch. Inside door Bathroom door	200 P601 P637	287 301 307	P36001 3/4 P36001 3/4 P36001 3/4	P36011 P36011 P36011	None P36507 P36507xP36022

Packed each set in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

ALSTEAD DESIGN SYMBOL 36

WROUGHT BRONZE, BRASS OR STEEL

WROUGHT BRONZE OR BRASS LOCKSETS—Packed with 2 Inch Knobs, With Model "C" Spindle Mounting

Set	Description	Lock		Trim			
Number	Description	Number	Page	Knobs	Roses	Plates	
B36200 B36801 B36831 B36833 B36827 B36837 B36977 †B36340 †B36340V	Latch Inside door Inside door Inside door Bathroom door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	837 977 340	287 301 302 302 307 307 308 320 321	36002 36002 36002 36002 36002 36002 36002 36002 36002	36011 36011 36011 36011 36011 36011 36011 36011	None 36507 36507 36507 36507x36022 36507x36022 36022 36025x36022 36025	

Packed each set in a box, complete with screws.

Cylinder plates can be substituted in place of cylinder rings, at additional price. †Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT STEEL LOCKSETS-Packed with 2 Inch Knobs, With Model "C" Spindle Mountings

PB36200 Latch PB36601 Inside door PB36637 Bathroom door	. P601	287 301 307	P36002 P36002 P36002	P36011 P36011 P36011	None P36507 P36507xP36022
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Packed each set in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT BRONZE OR BRASS LOCKSETS Packed With 21/4-inch Wrought Knobs, With Model "C" Spindle Mountings

Set	Description	Loc	k		Trim	
Number	Description	Number	Page	Knobs	Roses	Plates
C36200 C36220 C36210 C36801 C36831 C36833 C36853 C36873 C36877 C36987 C36837 C36827 C36977 †C36340 †C36340V †C36378	Latch Latch Latch Inside door Sathroom door Communicating door Bathroom door Communicating door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, office door	200 220 210 801 831 833 853 873 877 987 837 827 977 340 340V 378	287 288 289 301 302 302 303 304 309 309 307 307 308 320 321 327	36002 1/4 36002 1/4	36012 36012 36012 36012 36012 36012 36012 36012 36012 36012 36012 36012 36012 36012 36012	None None None 36507 36507 36507 36507 36507 36507 36507 36507x36022 36022x36022 36507x36022 36507x36022 36507x36022 36025 36025

Packed each set in a box, complete with screws. Cylinder plates can be substituted in place of cylinder ring at additional price.

†Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT STEEL LOCKSETS—Packed With 21/4" Knobs, With Model "C" Spindle Mountings

PC36200 Latch P200 PC36601 Inside door P601 PC36637 Bathroom door P637	287	P36002 1/4	P36012	None
	301	P36002 1/4	P36012	P36507
	307	P36002 1/4	P36012	P36507xP36022

Packed each set in a box, complete with screws.

PENDELTON DESIGN SYMBOL 37

WROUGHT BRONZE OR BRASS



No. 37025



No. 37507



No. 3702



No. 37002 x 37011



7011 Type No. 370013/4 x 37011

Number	Size, Inches	Description
37001 3/4 37002 37025 37011 37022 37023 37507 37031	13/4 2 13/4 dia. 13/4 17/8x7/8 17/8x7/8 17/8x7/8 23/8	Door knob, wrought top, cast shank, Model "C" spindle mounting Door knob, wrought top, cast shank, Model "C" spindle mounting Cylinder ring. Refer to No. 4, Page No. 407 Knob rose Turn knob on plate, 3/6 inch spindle on diamond Turn knob on plate, 7/2 inch flat spindle Key escutcheon Lever handle, Model "C" spindle mounting Refer to No. 31C, Page No. 424

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT BRONZE OR BRASS LOCKSETS-With Cast Shank Knobs and Model "C" Spindle Mountings

Set	Set Description		Lock		Trim			
Number	Description	Number	Page	Knobs	Roses	Plates		
A37200 A37421	Latch	200 421	287 298	370013/4 370013/4x 37031 Lever	37011 37011	None 37507		
A37801 A37833 A37837 A37827 A37977 †B37340 †B37340V B37200 B37421	Inside door Inside door Bathroom door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Latch French door	801 833 837 827 977 340 340V 200 421	301 302 307 307 308 320 321 287 298	37001 3/4 37001 3/4 37001 3/4 37001 3/4 37001 3/4 37002 37002 37002 37002 x	37011 37011 37011 37011 37011 37011 37011 37011 37011	37507 37507 37507x37022 37507x37022 37022 37025x37022 37025 None 37507		
B37801 B37831 B37837 B37827 B37977	Inside door Inside door Bathroom door Bathroom door Communicating door	801 831 837 827 977	301 302 307 307 308	37031 Lever 37002 37002 37002 37002 37002	37011 37011 37011 37011 37011	37507 37507 37507x37022 37507x37022 37022		

Packed each set in a box, complete with screws.

Cylinder plate can be substituted in place of cylinder ring at additional price.

Concealed screw roses can be furnished at additional price. Refer to Page No. 433.

†Specify thickness of door.

PELHAM DESIGN SYMBOL 38

WROUGHT BRONZE OR BRASS



No. 38025



No. 38022 No. 38023



No. 38507



No. 38002 x 38011

Number	Size, Inches	Description
38002 38025 38011 38022 38023 38507 38031	2 1 ³ / ₄ Dia. 2 2 x1 ¹ / ₁₆ 2 x1 ¹ / ₁₆ 1 ³ / ₄ x ³ / ₄ 2 ³ / ₈	Door knob, wrought top cast shank, Model "C" spindle mounting Cylinder ring. Refer to No. 4, Page No. 407 Knob rose. Turn knob on plate, 1/16 inch spindle on diamond Turn knob on plate, 1/12 inch flat spindle Key escutcheon Lever handle, Model "C" spindle mounting Refer to No. 31C, Page No. 424

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT BRONZE OR BRASS LOCKSETS - With Cast Shank Knobs and Model "C" Spindle Mountings

Number	Description	Loc	k	Trim			
Number	Description	Number	Page	Knobs	Roses	Plates	
38200 38421	Latch French door	200 421	287 298	38002 38002 x 38031 Lever	38011 38011	None 38507	
38801 38831 38837 38827 38977 †38340 †38340V	Inside door. Inside door. Bathroom door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door.	801 831 837 827 977 340 340V	301 302 307 307 308 320 321	38002 38002 38002 38002 38002 38002 38002	38011 38011 38011 38011 38011 38011	38507 38507 38507x38022 38507x38022 38022 38025x38022 38025x38025	

Packed each set in a box, complete with screws.

Cylinder plates can be furnished in place of cylinder ring, at additional price.

Concealed screw roses can be furnished at additional price. Refer to Page No. 433.

†Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Illustrations One-third Size

PARSTON DESIGN SYMBOL 39

WROUGHT BRONZE OR BRASS



No. 39025



No. 39022 No. 39023



No. 39507



No. 39002 x 39011

Number	Size, Inches	Description
39002 39025 39011 39022 39023 39507 39031	2 1¾ Dia. 2 2x1½6 2x1½6 2x1½6 238	Door knob, wrought top, cast shank, Model "C" spindle mounting Cylinder ring. Refer to No. 4, Page No. 407 Knob rose Turn knob on plate, 3/16 inch spindle on diamond Turn knob on plate, 7/12 inch flat spindle Key escutcheon Lever handle, Model "C" spindle mounting Refer to No. 31C, Page No. 424

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT BRONZE OR BRASS LOCKSETS—With Cast Shank Knobs and Model "C" Spindle Mountings

Number	Description	Loc	k	Trim			
Number	Description	Number	Page	Knobs	Roses	Plates	
39200 39421	Latch French door	200 421	287 298	39002 39002 x 39031 Lever	39011 39011	None 39507	
39801 39831 39837 39827 39977 †39340 †39340V	Inside door Inside door Bathroom door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door		301 302 307 307 308 320 321	39002 39002 39002 39002 39002 39002 39002	39011 39011 39011 39011 39011 39011	39507 39507 39507x39022 39507x39022 39022 39025x39022 39025	

Packed each set in a box, complete with screws.

Cylinder plates can be furnished in place of cylinder ring, at additional price.

Concealed screw roses can be furnished at additional price. Refer to Page No. 433.

†Specify thickness of door.

NEWGATE DESIGN SYMBOL 40

WROUGHT BRONZE OR BRASS







No. 40022 No. 40023





No. 400013/4 x40011

Number	Size, Inches	Description
40001 3/4 40025 40011 40022 40023 40507 40010 1/2 40031	1 3/4 1 3/4 1 3/4 1 3/4 x 3/4 1 3/4 x 3/4 1 3/4 x 3/4 1 1/4 2 3/8	Door knob, wrought top, cast shank, Model ''C'' spindle mounting Cylinder ring Knob rose Turn knob on plate, 3/6 inch spindle on diamond Turn knob on plate, 7/2 inch flat spindle Key escutcheon Drawer knob Lever handle, Model ''C'' spindle mounting Refer to No. 31C, Page No. 424

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT BRONZE OR BRASS LOCKSETS-With Cast Shank Knobs and Model "C" Spindle Mountings

Number	Description	Lock		Trim			
rumber	Description	Number	Page	Knobs	Roses	Plates	
40200 40421	Latch French door.	200 421	287 298	400013/4 400013/4x40031 Lever	40011B 40011B	None 40507	
L40421 40801 40831 40833 40837 †40340 †40340V	French door Inside door Inside door Inside door Inside door Cylinder, front door Cylinder, vestibule door	421 801 831 833 837 340 340V	298 301 302 307 307 320 321	2—40031 Levers 4000134 4000134 4000134 4000134 4000134 4000134	40011B 40011B 40011B 40011B 40011B 40011B	40507 40507 40507 40507 40507x40022 40025x40022 40025	

Packed each set in a box, complete with screws.

Concealed screw roses can be furnished at additional price. Refer to Page No. 433.

†Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Illustrations One-third Size

BIRKSHIRE DESIGN SYMBOL 41

WROUGHT BRONZE OR BRASS







No. 41507



No. 41022



No. 41001 3/4 x 41011

Number	Size, Inches	Description
410013/4 41025 41011 41022 41023 41507 410101/2	134 134 134 134x34 134x34 134x34 114 238	Door knob, Model "C" spindle mounting Cylinder ring Knob rose Turn knob on plate, 3/6 inch spindle on diamond Turn knob on plate, 7/2 inch flat spindle Key escutcheon Drawer knob Lever handle, Model "C" spindle mounting Refer to No. 31C, Page No. 424

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Loc	ck ·	Trim			
Number	Description	Number	Page	Knobs	Roses	Plates	
41200 41421	Latch	200 421	287 298	410013/4 410013/4 x 41031 Lever	41011B 41011B	None 41507	
L41421	French door	421	298	2—41031 Levers	41011B	41507	
41801 41831 41833 41837 †41340 †41340V	Inside door Inside door Inside door Bathroom door Cylinder, front door Cylinder, vestibule door	837 340	301 302 302 307 320 321	410013/4 410013/4 410013/4 410013/4 410013/4 410013/4	41011B 41011B 41011B 41011B 41011B 41011B	41507 41507 41507 41507x41022 41025x41022 41025	

Packed each set in a box, complete with screws.

Concealed screw roses can be furnished at additional price. Refer to Page No. 433.

†Specify thickness of door.

[FUTURE DESIGNS]

GLASS KNOB LOCK SETS















Set No. TF Series



Set No. YF and YP Series



Set No. J Series

WROUGHT STEEL GLASS KNOB LOCKSETS—With Model "C" Spindle Mountings

Set	Lo	ck		Knobs		Roses		Key Escutcheons		Material
Number	Number	Page	Number	Page	Glass	Number	Page	Number	Page	
PRF36601 PTF36601 PYF36601	P601 P601 P601	301 301 301	0215 0213 0217	422 422 422	Clear Clear Clear	P011B P011B P011B	432 432 432	P01521 P01521 P01521	429 429 429	Wrought Steel Wrought Steel Wrought Steel

Other locks, knobs, roses or key escutcheons can be substituted at difference in price.

Packed each set in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT BRONZE OR BRASS GLASS KNOB LOCKSETS-With Model "C" Spindle Mounting

Set	Loc	ck		Knobs		Roses		Key Escutcheons		Material
Number	Number	Page	Number	Page	Glass	Number	Page	Number	Page	Material
RF36801 TF36801 YF36801 J36801	801 801 801 801	301 301 301 301	0215 0213 0217 0510	422 422 422 422	Clear Clear Clear Opal	011B 011B 011B 011B	432 432 432 432	01521 01521 01521 01521	429 429 429 429	Wrought Bronze Wrought Bronze Wrought Bronze Wrought Bronze

Other locks, knobs, roses or key escutcheons can be substituted at difference in price.

Packed each set in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS GLASS KNOB LOCKSETS-With Model "C" Spindle Mounting

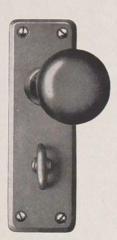
Set	Loc	ck		Knobs		Roses		Key Escutcheons		Material
Number	Number	Page	Number	Page	Glass	Number	Page	Number	Page	Material
RF197801 TF197801 YP197801 J197801	801 801 801 801	301 301 301 301	215 213 P217 510	422 422 422 422	Clear Clear Clear Opal	11B 11B 11B 11B	11B 432 11B 432		429 429 429 429	Cast Bronze Cast Bronze Cast Bronze Cast Bronze

Other locks, knobs, roses or key escutcheons can be substituted at difference in price.

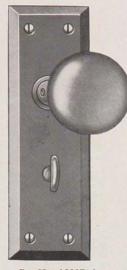
Packed each set in a box, complete with screws.

BATH ROOM LOCK SETS

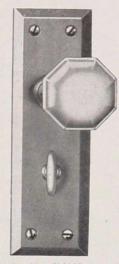
HALF TRIM



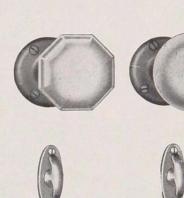
Set No. 11837½ Type No. P11637½ Type No. PD11637½



Set No. 12837½ Type No. P12637½ Type No. PD12637½



Set No. J12837 1/2



Set No. J36837½ Type No. J197837½



Set No. S368371/2 Type No. S1978371/2

WROUGHT STEEL LOCKSETS—(Half Trim) Standard Spindle Mountings

Set Number	Loc	ck	Knobs	3	Escutche	ons	Material
Set Number	Number	Page	Page Number Page		Number Page		Material
P11637 ½ PD11637 ½ P12637 ½ PD12637 ½	P637 P637 P637 P637	307 307 307 307	P11002¼ PD11002¼ P12002¼ PD12002¼	75 75 77 77	P11103xP22 P11103xP22 P12103xP22 P12103xP22	75 75 77 77	Wrought Steel Wrought Steel Wrought Steel Wrought Steel

Packed each set in a box, complete with screws.

Other knobs, roses or turn knobs substituted at difference in price.

Specify Number and Finish. Refer to Page No. 36 for description of finishes. For other bathroom locksets see design section.

WROUGHT BRONZE OR BRASS LOCKSETS—(Half Trim) Model "C" Spindle Mounting

Set Number	Lock		Knobs		Escutcheons		Turn Knobs		Material	
Set Ivaliser	Number	Page	Number	Page	Number	Page	Number	Page	Material	
11837 ½ 12837 ½ J12837 ½ J36837 ½ S36837 ½	837 837 837 837 837	307 307 307 307 307	11002¼ 12002¼ 0510¼ 0510¼ 0500¼	75 75 422 422 422	11103x22 12103x22 12103x22 012B 012B	75 75 75 432 432	01519x22 01519x22		Wrought Bronze Wrought Bronze Wrought Bronze Wrought Bronze Wrought Bronze	

Packed each set in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—(Half Trim) Packed With Opal Knobs Model "C" Spindle Mountings

Set Number	Lock		Knobs		Turn Knobs		Material	
	Number	Page	Number	Page	Number	Page	Material	
J197837½ S197837½	837 837	307 307	510x12B 500¼x12B	422 422	1519x22 1519x22	431 431	Cast Bronze Cast Bronze	

Packed each set in a box, complete with screws.

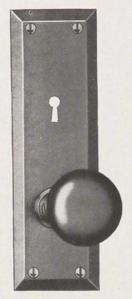
Other knobs, roses or turn knobs substituted at difference in price.

Specify Number and Finish. Refer to Page No. 36 for description of finishes. For other bathroom locksets see design section.

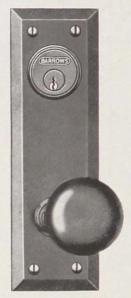
Illustrations One-third Size 125

SCHOOLHOUSE LOCK SETS

FOR CLASS ROOM DOORS CANNOT BE LOCKED FROM INSIDE



No. 12002 1/4 x 12004 Type No. 163002 1/4 x 163004



No. 12002 1/4 x 12004 Type No. 163002 1/4 x 163004

WROUGHT BRONZE OR BRASS CYLINDER LOCKSETS—With Model "C" Spindle Mountings

Set Number	Lock		Knobs		Escutcheons		Material	
Set Number	Number	Page	Number	Size, Inches	Number	Size, Inches		
12994 *E12994 12860 *E12860	994 994 860 860	356 356 358 358	12002 1/4 E12002 1/4 12002 1/4 E12002 1/4	2 ½ 2 ½ 2 ½ 2 ½ 2 ½	12004 12004 12004 12004	8x2½ 8x2½ 8x2½ 8x2½ 8x2½	Wrought Bronze Wrought Bronze Wrought Bronze Wrought Bronze	

Packed each set in a box, complete with screws.

Specify thickness of door.

Specify Number and Finish. Refer to Page 36 for description of finishes.

CAST BRONZE OR BRASS CYLINDER LOCKSETS—With Model "C" Spindle Mountings

Set Number	Lock		Knobs		Escuto	Material	
Set Number	Number	Page	Number	Size, Inches	Number	Size, Inches	Material
163994 *E163994 163860 *E163860	994 994 860 860	356 356 358 358	163002 ¼ E163002 ¼ 163002 ¼ E163002 ¼	2 ½ 2 ½ 2 ½ 2 ½ 2 ½	163004 163004 163004 163004	8x2½ 8x2½ 8x2½ 8x2½ 8x2½	Cast Bronze Cast Bronze Cast Bronze Cast Bronze

Packed each set in a box, complete with screws.

Specify thickness of door.

^{*}Knobs have wrought tops and cast shanks.

^{*}Knobs have wrought top and cast shanks.

SCHOOLHOUSE LOCK SETS

FOR CLASS ROOM DOORS CANNOT BE LOCKED FROM INSIDE

WROUGHT BRONZE OR BRASS BIT KEY LOCKSETS-With Model "C" Spindle Mountings

Set Number	Lock		Knobs, Wrought, One Piece		Escutcheons		Material	
Set Number	Number	Page	Number	Size, Inches	Number	Size, Inches	Material	
12953 12953H 12943 12963 12963 1/4	953 953H 943 963 9631/4	355 355 354 353 353	12002 ½ 12002 ¼ 12002 ¼ 12002 ¼ 12002 ¼	2 ½ 2 ½ 2 ½ 2 ½ 2 ½ 2 ½	12004 12004 12004 12004 12004	8x2½ 8x2½ 8x2½ 8x2½ 8x2½ 8x2½	Wrought Bronze Wrought Bronze Wrought Bronze Wrought Bronze Wrought Bronze	

Packed each set in a box, complete with screws. Master-keyed at additional price. Suffix MK.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS BIT KEY LOCKSETS-With Model "C" Spindle Mountings

Set Number	Lock		Knobs, Cast, One Piece		Escutcheons		Material
Set Number	Number	Page	Number	Size, Inches	Number	Size, Inches	Marerial
163953 163953H 163943 163963 163963 1/4	953 953H 943 963 963 ¹ ⁄ ₄	355 355 354 353 353	163002 ¼ 163002 ¼ 163002 ¼ 163002 ¼ 163002 ¼	2½ 2½ 2½ 2½ 2½ 2½ 2½	163004 163004 163004 163004 163004	8x2½ 8x2½ 8x2½ 8x2½ 8x2½ 8x2½	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze

Packed each set in a box, complete with screws. Master-keyed at additional price. Suffix MK.

Specify Number and Finish. Refer to Page 36 for description of finishes.

WROUGHT BRONZE OR BRASS BIT KEY LOCKSETS-With Model "C" Spindle Mountings With Wrought Top, Cast Shank Knobs

Set Number	Lock		Knobs, Wrought Top, Cast Shanks		Escut	cheons	Material
Set Number	Number	Page	Number	Size, Inches	Number	Size, Inches	Material
E12953 E12953H E12943 E12963 E12963 1/4	953 953H 943 963 963 1/4	355 355 354 353 353	E12002 ½ E12002 ¼ E12002 ¼ E12002 ¼ E12002 ¼	2½ 2½ 2½ 2½ 2½ 2½ 2½	12004 12004 12004 12004 12004	8x2½ 8x2½ 8x2½ 8x2½ 8x2½ 8x2½	Wrought Bronze Wrought Bronze Wrought Bronze Wrought Bronze Wrought Bronze

Packed each set in a box, complete with screws.

Master-keyed at additional price. Suffix MK.

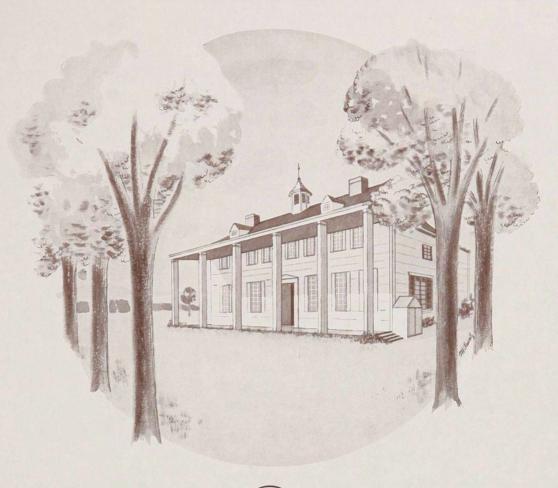
Specify Number and Finish. Refer to Page 36 for description of finishes.

CAST BRONZE OR BRASS BIT KEY LOCKSETS-With Model "C" Spindle Mountings With Wrought Top, Cast Shank Knobs

Set Number	Lock		Knobs, Wrought Top, Cast Shanks		Escutcheons		Material
Set Number	Number	Page	Number	Size, Inches	Number	Size, Inches	Material
E163953 E163953H E163943 E163963 E163963 1/4	953 953H 943 963 963 1/4	355 355 354 353 353	E163002 ½ E163002 ½ E163002 ½ E163002 ½ E163002 ½	2 ½ 2 ½ 2 ½ 2 ½ 2 ½ 2 ½	163004 163004 163004 163004 163004	8x2½ 8x2½ 8x2½ 8x2½ 8x2½ 8x2½	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze

Packed each set in a box, complete with screws. Master-keyed at additional price. Suffix MK. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

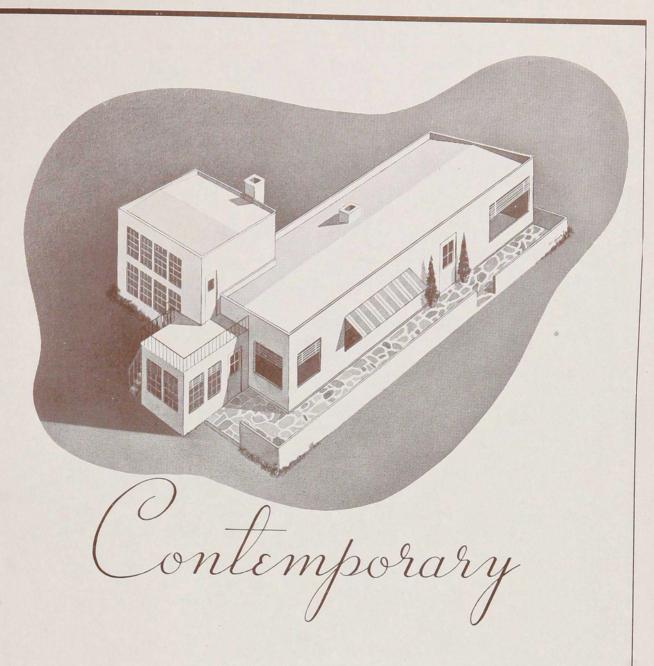
PERIODS OR SCHOOLS OF ARCHITECTURE





American colonial architecture sprang from the effort to perpetuate the Renaissance of England in the new world environment, an effort much influenced by ideas from Holland, France and other parts of Europe. Early homes were simple, rugged and substantial, massed around a great chimney stack with a framework of heavy oak and finished with a shingled or clapboard exterior. After 1800, with the use of pine, came more ornament and finer detail. Information was scarce and much work was done from carpenters' handbooks, aided by craftsmen with good taste. Asher Benjamin published a superior book of this kind in 1805. Salem was the center of the style in Massachusetts and Samuel McIntire, 1785-1810, the best exponent of the finer work. Simple forms prevailed, with stonework frequently imitated in wood. In the Virginias, under a more aristocratic influence, the style became one of much elegance and beauty. To the moldings, frets, finials and urns of the period were added somewhat later the eagle, stars and other features expressive of the patriotic feelings induced by the Declaration of Independence.

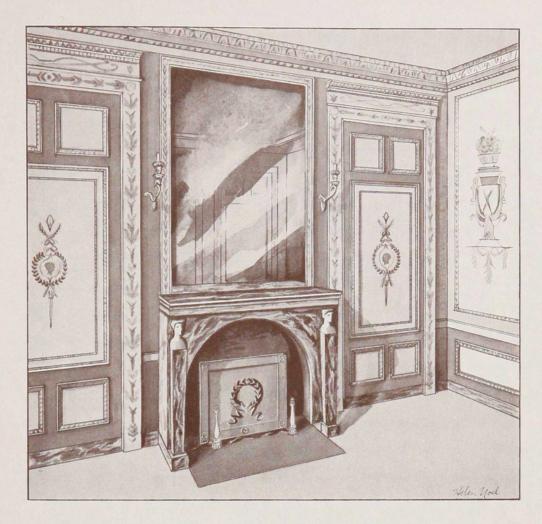
Symbol	Name	Page
	Colonial	
135	Amesbury	163
183	Arlington	221
181	Bangor	219
172	Bellview	210-250
194	Billingham	236
164	Charleton	. 194-250-268
188	Chester	228
195	Colchester	237
197	Croydon	240
148	Danville	186
173	Dover	211-251
134	Fairfield	162
136	Fayville	164
137	Foxboro	165
184	Hanley	222
193	Millport	234
170	Milton	206-271
149	Pittsfield	187
169	Quincy	204-270
178	Stockbridge	.216-255-270
182	Wingate	220
174	York	212-251



The "Modern" style of architecture, sometimes referred to as "International", or better as "Contemporary", is an effort to express the great political and social changes of our times, by the use of such materials and methods as the genius of our inventors and the intricacies of our machines may produce. Of necessity these conditions tend toward the elimination of the traditional period styles of the past and in the direction of a gradual growth of a new style in which perfect appropriateness of space and material, for their individual functions, will create its own inherent beauty. While denuded of their own "applied" ornament, the modern buildings in their severe simplicity afford perfect backgrounds for the beauty of color schemes, of well designed furniture and draperies, and of their expression, with a freedom the former

period styles did not permit.

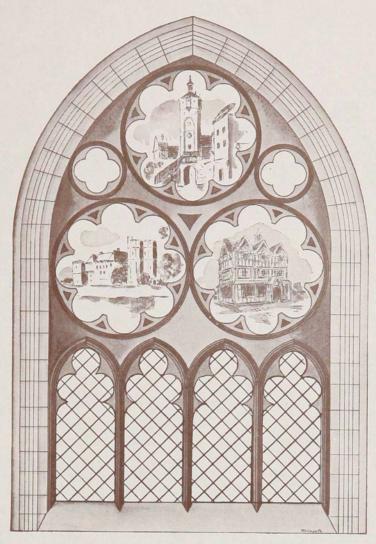
Symbol	Name	Page
	Contemp	oorary
191	Nilwood	230-253-273
190	Nuline	229
192	Roswell	232-253-273



* EMPIRE *

The French Revolution introduced a new society and opened the way for the many artistic and architectural changes that took place between 1804-1814 and which bear the name of "Empire". Napoleon, who was reputed as a child to have "spent whole nights poring over Caesar's history" did not fail to take advantage of this opportunity for reconstruction and to express the rise of his empire in a manner similar to the grandeur of imperial Rome. After the Napoleonic wars, Roman and Egyptian arts were adopted and particularly did the victories of the Italian Campaign lend to a larger knowledge of the Roman arts upon which the style of "Empire" was largely based. In the very short life of the style classic forms dominated Architecture and all of the arts. A period of seriousness produced an austerity of form with a simplification and directness of motif. There was, however, much richness of effect obtained by the bold use of color, of rich fabrics and carefully thought out ornamental features. In these the sphinxes from Egypt, the garlands from Greece and the torches and axes of Roman times, more or less geometrically arranged, are familiar ornamental expressions of an empire. Among the medallions, dancing cupids and classic figures that formed other ornamental expressions the use of the Imperial Crowned "N" seems to convey the final seal of Napoleonic approval. The Arc de Triomphe may be looked upon as a symbol of the vast amount of rebuilding that Napoleon was responsible for in the city of Paris.

Symbol	Name Page
	Empire
186	Bordeaux
143	Verona



Gothic English · Judor

Perhaps the first ray of light given to the Dark Ages came from Charlemagne in the 8th. century, but it was not until the 11th. century, the age of the first crusade, that great religious activity gave birth to the construction of ecclesiastical buildings throughout Europe. The style known as Gothic progressed continuously to the 16th. century, when it seemed to have reached the limits of its possibilities. The vaulted ceilings, the pointed arches of mullioned, traceried and cusped windows and magnificent portals, are among the principal characteristics of the style. Gothic was vivacious, always seeking thinner and lighter construction. It attained stability through a balanced counterpoise of pressures from vaultings, arches and trusses arranged to counteract each other or to be resisted by weight of wall or buttress. Stones no larger than two men could lift, fixed the scale of the work and religious enthusiasm induced men to devote their lives to

the glory of its carvings and embellishments.

Symbol	Name Page
196	Gothic, English
190	Canterbury238-272
	Gothic, Tudor
185	Wakefield224-272
	Gothic
171	Norwood208-272

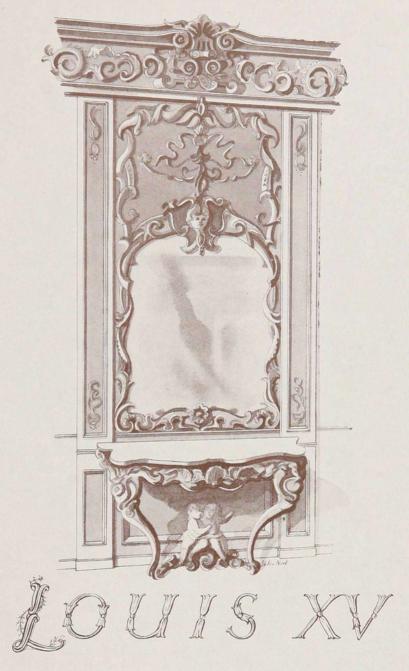


GREEK

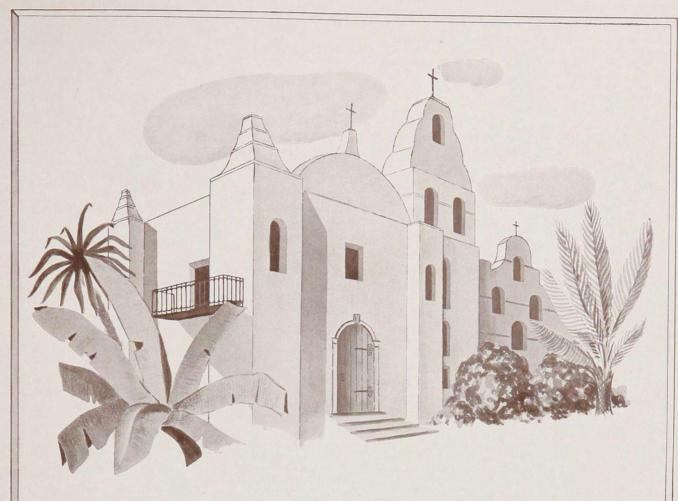
From about 600 B.C. the culture of Greece progressed greatly and culminated in the Golden Age of Pericles, an era named after its most famous architect. In the year 435 B.C. of this age the Parthenon, perhaps the world's most famous building, was completed at Athens. The Greeks perfected the Doric, Ionic and Corinthian orders of architecture, used for all time as examples of perfect proportion. They built with simplicity, rhythm and repose. They excelled in aesthetic values and they corrected optical illusions with extraordinary refinement. Their principal buildings were temples, monuments and open air theatres. Based upon a love of games and the development and study of the human form, their sculpture and ornament attained a perfection not since excelled. In their ornament, which was always restrained and executed with perfect precision and in exquisite taste, the Greeks used the fret or meander, egg and tongue and beaded moldings, bay and laurel leaves, and, above all, the acanthus leaf. Much of this ornament was painted, although little of the paint has resisted the exposure of the centuries.

JJJJJJJJJJJJJJJJJ

Symbol	Name Page
	Greek
138 177 167 139	Athens 166 Larissa 214 Olympia 200-255-268 Theseus 168



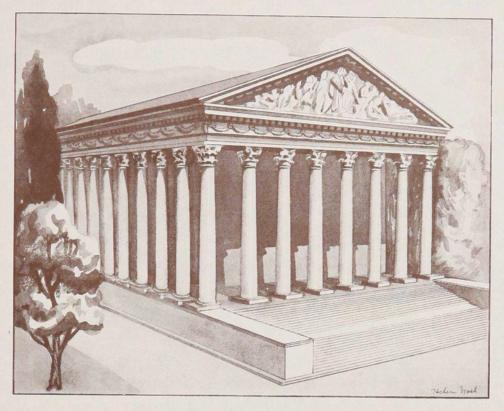
The reign of Louis XV opened with much gaiety as a reaction from the dull closing years of Louis XIV whose reign however was one of great artistic achievement. In the early Louis XV say from 1723 to 1730 subjects were largely mythological and biblical. Later until the end 1774 they tended to become fantastic and meaningless following a degenerate movement affecting all of the arts and referred to as Rococo. However, decorative fabrics were created to harmonize with interiors of exceptional beauty. Panels of sculptured wood were charmingly combined with mirrors and cabinet work. Under the influence of Mme. de Pompadour the style became somewhat feminine and with floral motifs as a background, love knots, ribbons, nose gays, cupids, doves and the like were much used. At this time the Chinese influence was felt with the introduction in the decorative schemes of mandarins, pagodas, bridges, parasols, dragons and similar distinctive figures. Here came also the vogue for monkeys. Rocaille decorative rock work began to destroy all straight lines and symmetrical decorative arrangements. In fabrics particularly architectural Rococo fragments with cascades, rocks and trees were to be found in veritable confusion. Watteau was the famous painter of the period.



Mission

The missionary efforts of the Franciscan Fathers or Gray Friars, an order founded by St. Francis of Assisi in Italy, 1182-1226, resulted in their emigration from Spain and in the founding by Father Jumpero Serra, of religious communities in Southern California. They flourished between the years 1776 and 1831, but their purpose was greatly destroyed when Spanish power was overthrown by that of Mexico in 1840. In their buildings adverse conditions brought about great departures from the Spanish Romanesque style from which that of the Mission style was developed, resulting in a much greater simplicity. Heavy brick walls whose stuccoed surfaces were protected from the elements by the projecting eaves of gently sloping roofs, usually enclosed a Patio, or inner court, an arrangement that still persists. The curved outlines of white gables, the simple and severe lines of belfries, contrasting with the massed color of beautiful clay tile roofs were characteristic of a style that still spreads its influence upon the architecture of California.

Symbol	Name Page
	Mission
198 101 102 103	Durado



NEO CLASSIC

In the middle of the 18th Century there was a veritable flood of archeological discovery together with the publication of data concerning same. Stuart & Revett were measuring in Greece in 1750 and published their "Antiquities of Athens" in 1762. The brothers Adam were in Italy about 1760 and in 1803 Lord Elgin brought over the Elgin marbles from Greece. Access to such information gave rise to a veritable Greek and Roman revival which in England was perhaps a revulsion from the austere and prim simplicity of the Georgian development of Renaissance. Thus was born a new classic or Neo classic, new in the sense that it came directly from the original source instead of through the gradual growth of the Renaissance. Until 1820 the copying of Roman examples predominated, after that Grecian examples or Neo-Grec found favor in both England and France. In this way began an age of revivals running concurrently, and in 1830 this process of selection from preceding styles rather than a continuing growth of any particular one, became the prevailing vogue and is now referred to as Eclecticism. Shortly afterwards the Gothic revival brought about the famous 'battle of the styles'.

Symbol	Name	Page
	Neo Classic	
165	Rumford	196-269
166	Manchester	198-254-269

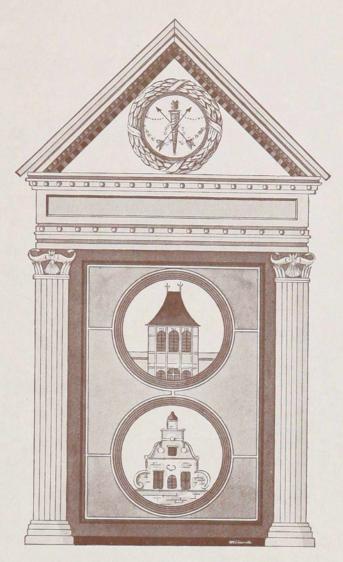


German Renaissance

The variety of small states, kingdoms and principalities that constituted Germany at the time of the Renaissance gave rise to a corresponding variety of architectural expression. Both the Italian and French forms that were followed were strongly modified by a persistent medieval hang over. Consequently at this time the German versions of the Renaissance were mingled with the more barbaric of the Gothic survivals and on the whole were inclined to be crude and clumsy. The period under consideration dated from about 1520 to 1600 and the work varied much with locality and individual influence. In spite of the vagaries of its strapwork, spirals, grotesques, and female figures, the work possesses a charm similar to the contemporary Elizabethan style of England. The principal characteristics include high gabled street fronts, where each story possesses superimposed orders of architectures, where the immense gables are decorated with crude details of pilasters and where scrolls of great eccentricity and exuberance form the outline of the gables. In the early work windows were large, mullioned and crowned by grotesque or scrolly pediments. In the late work the usual classic features are adopted. The better known examples are Heidelberg Castle at Heidelberg (the center of learning at that time) and the Peller House at Nuremberg.

Albrecht Durer is frequently referred to as the founder of the German Renaissance style.

Symbo	l Name Page
	Renaissance—German
104	Altenburg104-256
187	Luneburg227
146	Zurich

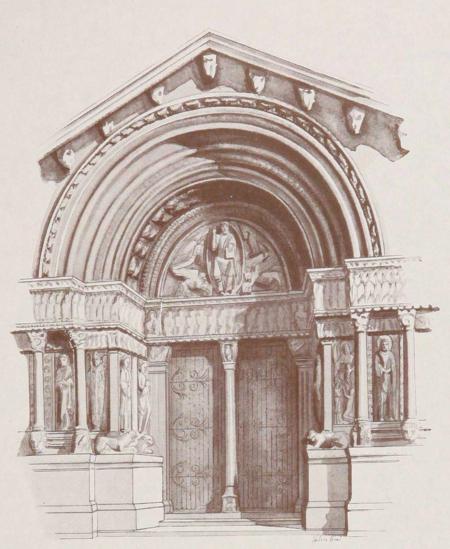


Renaissance

French . Talian

Upon the dead ashes of the Gothic era were kindled the fires of a great revival, a swing of the pendulum back to the Classic arts of Rome, Pompeii and Greece; perhaps arts more fitted to an increase of worldly prosperity. The discovery of a sea route to India enriched the western countries of Europe and upon a wave of commercialism arose a great desire for learning in the arts of architecture, letters and painting. In France and England the architectural transition was slow and produced the romantic styles of Francis I, 1515-1547, and Elizabeth, 1558-1603, while in Italy where Gothic was not so rooted, the architect Brunelleschi in the middle of the 15th century began to use classic details of purity and severity. Some of the world's most famous painters belong to this era, such as Botticelli, 1447-1510, and Leonardo da Vinci, 1452-1519. Outstanding buildings of the Renaissance include the Strozzi and Pitti palaces built by Brunelleschi at Florence, St. Peter's, Rome, finished by Michelangelo, 1546. At Paris the Louvre, begun 1544 and finished by Louis XV, the Tuileries, 1564, Versailles, 1645-1708, built by architect Mansard and the Pantheon erected in the 18th century. In England the style was adopted by such famous architects as Inigo Jones, 1472-1652. Sir Christopher Wren, 1632-1723, and Sir William Chambers, 1726-1796. The Renaissance slowly gave way to the Rococo, Empire, and the Greek and Gothic revivals of the 19th century, from which in this 20th century a modern style would appear to be emerging.

Symbol	Name Page
	Renaissance-French
142	Fontaine174
145	Nancy180
147	Navarre184
16	Tours202-271
	Renaissance—Italian
144	Bourges178



ROMANESQUE

With the breaking down of Roman civilization in the 5th Century there came into existence a style of architecture generally known as Romanesque. Between the years 700 and 1100 it grew in practically all of the countries of the Western World and, while following a general pattern, developed the peculiar national characteristics of each. The style was based on Roman art, affected considerably by Christian art and in countries bordering the Mediterranean by the Saracenic invasion. The style, which was largely confined to ecclesiastical work, has been referred to "as an architecture that while retaining elements of Roman art has ceased to be Roman and while anticipating elements of Gothic is not yet Gothic." It was a sober and dignified style and in its earlier phases made rough and ready use of cast off or discontinued classic forms. In discarding the use of timber roofs with flat ceilings and developing stone vaulted roofs, and in making general use of circular arches and vaults, it developed homogeneous structures possessive of great freedom and vitality. While it is true that Romanesque developed into a perfectly independent style, it has been referred to as 'Gothic in the making'. This is perhaps clearly indicated in the sequence of the Saxon Norman

and early Gothic work in England.

CAST DESIGNS

SAN ARDO DESIGN SYMBOL 101

(IMITATION HAMMERED FINISH)

MISSION PERIOD CAST BRONZE OR BRASS



No. 101507 No. P101507



No. 101033½ x No. 101103 No. P101033½ x No. P101103



No. 101002 x No. 101103 No. P101002 x No. P101103



No. 101002 x No. 101005

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Escutcheons	
		Number	Page	KHODS	Outside	Inside
101200 101421 L101421 101831 101827 101977 †101340 †101340V	Latch French door. French door. Inside door. Bathroom door. Communicating door. Cylinder, front door. Cylinder, vestibule door.	200 421 421 831 827 977 340 340V	287 298 298 302 307 308 320 321	101002 101002x101033½ Lever 2—101033½ Levers 101002 101002 101002 101002 101002	101103 101103 101103 101103 101103 101103x22 101005 101005	101103 101103 101103 101103 101103x22 101103½x22 101103½x22 101004

Packed each set in a box, complete with screws.

†Specify thickness of door.

Standard Finishes, HD91 and HD21, specify finish.

For entrance handle set, refer to Page No. 257.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST IRON LOCKSETS—With Model "C" Spindle Mountings

P101P200 P101200 P101421 PL101421 P101601 P101801	Latch Latch French door French door Inside door Inside door	*421 *421	287 287 298 298 301 301	P101002 P101002 P101002xP101033½ Lever 2—P101033½ Levers P101002 P101002	P101103 P101103 P101103 P101103 P101103	P101103 P101103 P101103 P101103 P101103
P101637 P101827	Bathroom door	P637 *827	307	P101002 P101002	P101103 P101103	P101103xP22 P101103xP22

Packed each set in a box, complete with screws.

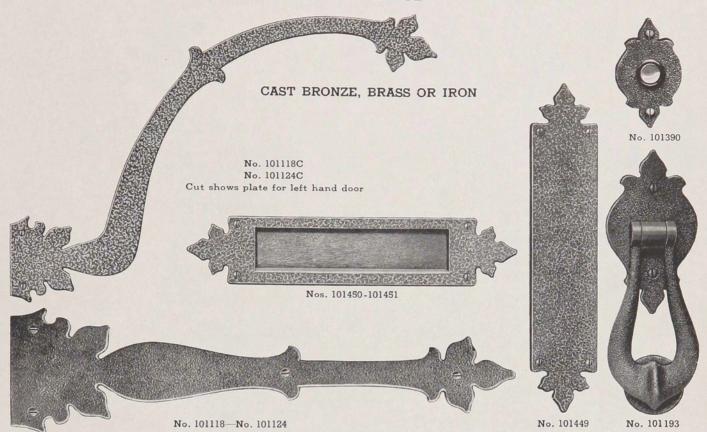
*Bronze face locks.

Standard finishes, HD91 and HD21, specify finish.

SAN ARDO DESIGN

(IMITATION HAMMERED FINISH)

MISSION PERIOD



Number	Size, Inches	Material	Description
101103	5½x 13/8	Cast Bronze	Escutcheon
101103 1/2	63/8x 17/8	Cast Bronze	Escutcheon
101004	6½x 13/8	Cast Bronze	Escutcheon
101004 1/2	7 x 2	Cast Bronze	Escutcheon
101005	8 x 2	Cast Bronze	Escutcheon
101002	2	Cast Bronze	Door knob, Model "C" spindle mounting
101025	33/4x 21/8	Cast Bronze	Cylinder plate
101025 1/2	23/8	Cast Bronze	Cylinder plate (round)
101011	13/4	Cast Bronze	Knob rose
101033 1/2	21/4	Cast Bronze	Lever, Model "C" spindle mounting
101022	1 7/8x 3/4	Cast Bronze	Turn knob on plate, 3/16 inch spindle on diamond
101023	1 7/8x 3/4	Cast Bronze	Turn knob on plate, 7/32 inch flat spindle
101507	1 7/8x 3/4	Cast Bronze	Key escutcheon
101390	3 x 134	Cast Bronze	Push button
101450	121/8x 21/4	Cast Bronze	Letter box plate—opening 1½"x7" Gov't standard openin
101451	12½x 2¼	Cast Bronze	Letter box plate x back plate
101449	12½x 2¼	Cast Bronze	Push plate
101193	7½x 25/8	Cast Bronze	Door knocker
101118	45/8x18	Cast Bronze	Hinge plate
101124	5 x24	Cast Bronze	Hinge plate
*101118C	45/8x18	Cast Bronze	Curved hinge plate for right or left hand doors
*101124C	5 x24	Cast Bronze	Curved hinge plate for right or left hand doors
P101103	5½x 13/8	Cast Iron	Escutcheon
P101004	6½x 13/8	Cast Iron	Escutcheon
P101002	2	Cast Iron	Door knob, Model "C" spindle mounting
P101011	13/4	Cast Iron	Knob rose
P101033 1/2	21/4	Cast Iron	Lever, Model "C" spindle mounting
P101022	17/8x 3/4	Cast Iron	Turn knob on plate, 3/6 inch spindle on diamond
P101023	1 7/8x 3/4	Cast Iron	Turn knob on plate, 7/32 inch flat spindle
P101507	1 7/8x 3/4	Cast Iron	Key Escutcheon

*Curved Hinge Plates are designed for doors 36 inches wide with top of door on 18" radius, but can be used on doors 34 inches to 38 inches wide, with regular radius. Measurement is from hinged edge of door to end of plate. Be sure to state hand of door. When ordering escutcheons only, specify lock with which they are to be used. Standard Finishes—HD91 and HD21. For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to number. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

SAN BRUNO DESIGN

SYMBOL 102

(IMITATION HAMMERED FINISH)

MISSION PERIOD CAST BRONZE, BRASS OR IRON



No. 1102002 x 102012 No. P102002 x P102012



No. 102507 No. P102507



No. 102033½ x 102103 No. P102033½ x P102103



No. 102002 x 102103 No. P102002 x P102103



No. 102002 x 102005

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Escutcheons	
		Number	Page	KHODS	Outside	Inside
102200 102421 L102421 102831 102827 102977 †102340 †102340V	Latch French door French door Inside door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	827 977	287 298 298 302 307 308 320 321	102002 102002x102033½ Lever 2—102033½ Levers 102002 102002 102002 102002 102002	102103 102103 102103 102103 102103 102103x22 102005 102005	102103 102103 102103 102103 102103x22 102103x22 102103½x22

Packed each set in a box, complete with screws.

†Specify thickness of door.

Standard Finishes—HD91 and HD21.

For entrance handle set, refer to Page No. 257.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST IRON LOCKSETS-With Model "C" Spindle Mountings

Packed each set in a box, complete with screws.

*Bronze face locks.

Standard Finishes—HD91 and HD21.

SAN BRUNO DESIGN SYMBOL 102 (IMITATION HAMMERED FINISH) CAST BRONZE, BRASS OR IRON No. 10218C No. 10218C No. 102124C Cut shows plate for Lieft Hand Door No. 102450—No. 102451 No. 102449

			No. 102116—No. 102124		
Number	Size, Inches	Material	Description		
102103 102103 ½ 102004 102004 ½ 102005 102002 102025 102025 ½ 102012 102033 ½ 102022 102023 102507 102390 102450 102451 102449 102193 102118 102124 *102118C *102124C P102103 P102002 P102002 P102002 P102002 P102002 P102002 P102022 P102022	5½x 1¾8 6¾8x 1¾8 6¾8x 1¾8 7 x 2 8 x 2 2 3¾4x 2¼8 2¾8 2½4 1¾4x 1½ 3 x 1¾4 12½8x 2¼ 12½8x 2¼ 12½8x 2¼ 12½8x 2¼ 12½8x 2¼ 5½x 1¾8 5 x24 458x18	Cast Bronze Cast Iron	Escutcheon Escutcheon Escutcheon Escutcheon Door knobs, Model "C" Spindle mountings Cylinder plate Cylinder plate (round) Knob rose Lever, Model "C" spindle mountings Turn knob on plate, ¾6 inch spindle on diamond Turn knob on plate, √½2 inch flat spindle Key escutcheon Push button Letter box plate—opening ½2"x7" Gov't standard opening Letter box plate x back plate Push plate Door knocker Hinge plate Hinge plate Curved hinge plate for right or left hand doors Curved hinge plate for right or left hand doors Escutcheon Escutcheon Door knobs, Model "C" spindle mountings Knob rose Lever, Model "C" spindle mountings Turn knob on plate, ¾6 inch spindle on diamond Turn knob on plate, ¼6 inch spindle on diamond		
P102023 P102507	13/4x 11/2 13/4x 11/2	Cast Iron Cast Iron	Turn knob on plate, 7/32 inch flat spindle Key escutcheon		

^{*}Curved hinge plates are designed for doors 36" wide, with top of door on 18" radius, but can be used on doors 34" to 38" wide, with regular radius. Measurement is from hinged edge of door to end of plate. Be sure to state hand of door. When ordering escutcheons only, specify lock with which they are to be used. Standard Finishes—HD91 and HD21. For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to Number. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

SAN CARLOS DESIGN (IMITATION HAMMERED FINISH)

CAST BRONZE, BRASS OR CAST IRON



No. 103002x103005



No. 103002×103011 No. P103002×P103011



No. 103507 No. P103507



SYMBOL 103

No. 103002x103103 No. P103002xP103103



No. 103033½×103103 No. P103033½×P103103

CAST BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Escutcheons	
		Number	Page	KHODS	Outside	Inside
103200 103421 L103421 103831 103827 103977 †103340 †103340V	Latch French door French door Inside door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	200 421 421 831 827 977 340 340V	287 298 298 302 307 308 320 321	103002 103002x103033½ Lever 2—103033½ Levers 103002 103002 103002 103002 103002	103103 103103 103103 103103 103103 103103x22 103005 103005	103103 103103 103103 103103 103103x22 103103x22 1031031/4x22 1031031/4

[†]Specify thickness of door.

Packed each set in a box, complete with screws.

Standard Finishes—HD91 and HD21.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST IRON LOCKSETS—With Model "C" Spindle Mountings

P103200 Lat P103421 Fre PL103421 Fre P103601 Ins P103801 Ins P103637 Ba	tchtchtch	*200 *421 *421 601 *801 P637	287 287 287 298 301 302 307 307	P103002 P103002 P103002xP103033½ Lever 2—P103033½ Levers P103002 P103002 P103002 P103002	P103103 P103103 P103103 P103103 P103103 P103103 P103103	P103103 P103103 P103103xP22
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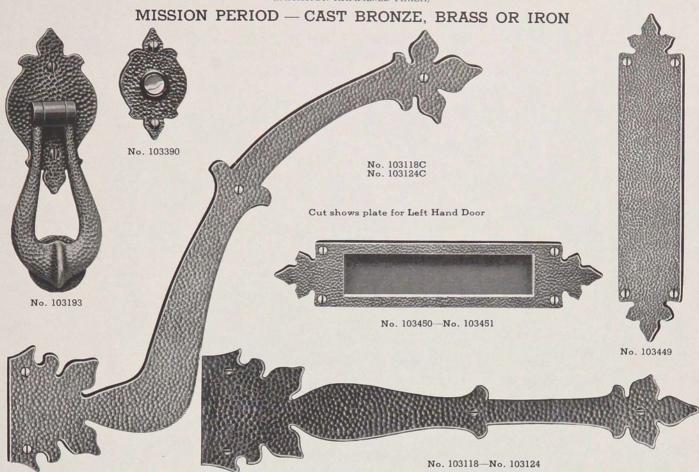
^{*}Bronze face locks.

Packed each set in a box, complete with screws.

Standard Finishes—HD91 and HD21.

SAN CARLOS DESIGN SYMBOL 103

(IMITATION HAMMERED FINISH)



Number	Size, Inches	Material	Description
103103 103103½ 103004 103004½ 103005 103002 103025 103025½ 103012 103033½ 103022 103023 103507 103390 103450 103451 103449 103193 103118 103124 *103124C P103103 P103004 P103003 P103004 P103002 P103011 P103033½ P103022 P103023 P103023 P103507	5½x 1¾8 6¾8x 1½6 6¾8x 1¾6 7 x 2 8 x 2 2 3¾x 2½8 2¾8 2½4 1¾x 1½ 1¾x 1½ 1¾x 1½ 1¾x 1½ 1½ 1¾x 1½ 1	Cast Bronze Cast Iron	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Door knob, Model "C" spindle mounting Cylinder plate Cylinder plate (round) Knob rose Lever, Model "C" spindle mounting Turn knob on plate, 3/16 inch spindle on diamond Turn knob on plate, 7/12 inch flat spindle Key escutcheon Push button Letter box plate—opening l 1/2"x7" Gov't standard opening Letter box plate x back plate Push plate Door knocker Hinge plate Hinge plate Curved hinge plate for right or left hand doors Curved hinge plate for right or left hand doors Escutcheon Escutcheon Door knob, Model "C" spindle mounting Knob rose Lever, Model "C" spindle mounting Turn knob on plate, 3/16 inch spindle on diamond Turn knob on plate, 7/12 inch flat spindle Key escutcheon

^{*}Curved hinge plates are designed for doors 36" wide, with top of door on 18" radius, but can be used on doors 34" to 38" wide, with regular radius. Measurement is from hinged edge of door to end of plate. Be sure to state hand of door. When ordering escutcheons only, specify lock with which they are to be used. Standard Finishes—HD91 and HD21. For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to Number. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

ALTENBURG DESIGN SYMBOL 104

(IMITATION HAMMERED FINISH)

GERMAN RENAISSANCE PERIOD CAST BRONZE, BRASS OR IRON



No. 104033½ x 104103 No. P104033½ x P104103



No. 104002 x 104103 No. P104002 x P104103



No. 104002 x 104005

CAST BRONZE AND BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Escutcheons		
Number	Number Page	Outside	Inside				
104200 104421 L104421 104831 104827 104977 †104340 †104340V	Latch French door French door Inside door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	200 421 421 831 827 977 340 340V	287 298 298 302 307 308 320 321	104002 104002x104033½ Lever 2—104033½ Levers 104002 104002 104002 104002 104002	104103 104103 104103 104103 104103 104103x22 104005 104005	104103 104103 104103 104103 204103x22 104103x22 104103x22 104103x22	

†Specify thickness of door.

For entrance handle sets, refer to Page No. 256.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST IRON LOCKSETS-With Model "C" Spindle Mountings

P104P200 P104200 P104421	Latch	*200 *421	287 287 298	P104002 P104002 P104002xP104033½ Lever	P104103 P104103 P104103	P104103 P104103 P104103
P104421 PL104421 P104601	French door French door Inside door	*421	298 298 301	2—P104002xP104033½ Levers 2—P104033½ Levers P104002	P104103	P104103
P104801	Inside door	*801	301	P104002	P104103 P104103	1101100
P104637 P104827	Bathroom door		307	P104002 P104002		P104103xP22 P104103xP22

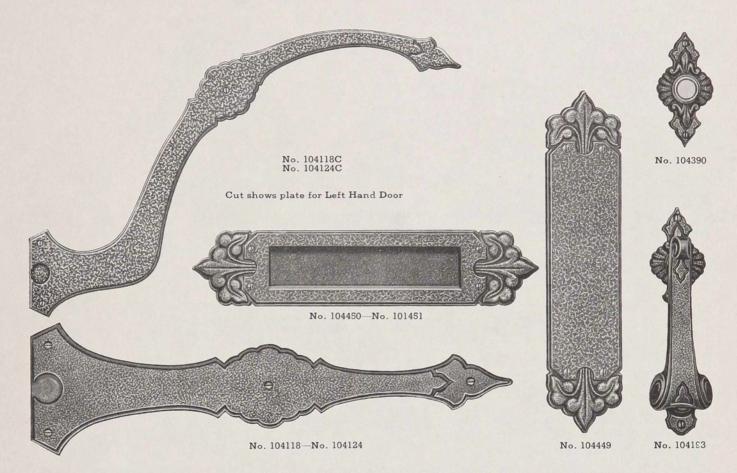
*Bronze face locks.

Packed each set in a box, complete with screws.

Standard finishes—HD91 and HD21, specify finish.

ALTENBURG DESIGN SYMBOL 104

GERMAN RENAISSANCE PERIOD CAST BRONZE, BRASS OR IRON



Number	Size, Inches	Material	Description
104103 104103 1/2 104005 104002 104025 104033 1/2 104390 104450 104451 104449 104193 104118 104124 *104118C *104124C P104103 P104103 1/2 P104002 P104033 1/2	6 ¼x 1 ¾ 678x 1 ¾ 938x 25% 2 438x 2 ¼ 3 ¼x 1 ⅓ 3 ¾x 2 ¾ 12 ¾x 2 ¾ 12 ¾x 2 ¾ 12 ¾x 2 ¾ 6 ½x 1 78 5 x 18 5 x 24 5 x 18 5 x 24 6 ¼x 1 ¾ 6 ¼x 1 ¾ 6 ¼x 1 ¾ 6 ¼x 1 ¾ 6 ¼x 1 ¾	Cast Bronze Cast Iron Cast Iron Cast Iron Cast Iron Cast Iron Cast Iron	Escutcheon Escutcheon Escutcheon Door knob, Model "C" spindle mounting Cylinder plate Lever, Model "C" spindle mounting Push button Letter box plate—opening 1½"x7" Gov't standard opening Letter box plate x back plate Push plate Door knocker Hinge plate Hinge plate Curved hinge plate for right or left hand doors Curved hinge plate for right or left hand doors Escutcheon Escutcheon Door knob Lever, Model "C" spindle mounting

*Curved hinge plates are designed for doors 36" wide, with top of door on 18" radius, but can be used on doors 34" to 38" wide, with regular radius. Measurement is from hinged edge of door to end of plate. Be sure to state hand of door.

When ordering escutcheons only, specify lock with which they are to be used.

Standard Finishes—HD91 and HD21, specify finish.
For escutcheons with turn knobs, suffix "x No. 22" or "x No. P22" to Number.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

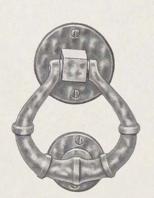
MISCELLANEOUS DESIGNS

Symbol Nos. 105-106-107-108-109 (IMITATION HAMMERED FINISH)

CAST BRONZE OR BRASS



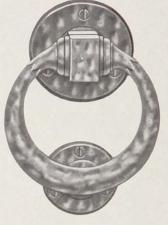




No. 108193



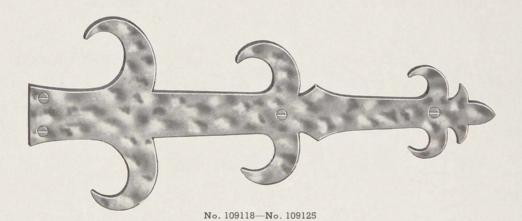
No. 106390



No. 109193



No. 107390



Number	Design	Size, Inches	Description
105390	Templeton	278x 3	Push button
106390	Grayton	514x 4	Door knocker
107390	Glenville	4 x 3	Push button
107390 108193 109118	Glenvine	3½x 2½ 7½x18	Push button Hinge plate
109125		9 x25	Hinge plate
109193		6¼x 4½	Door knocker

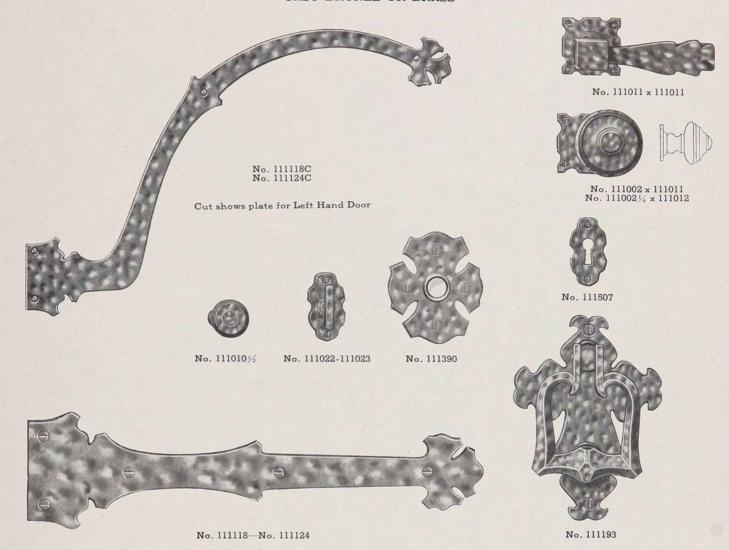
Standard Finish—HD91 and HD21.

For entrance door handles, refer to Page 258.

SAN JUAN DESIGN SYMBOL 111

(IMITATION HAMMERED FINISH)

MISSION PERIOD CAST BRONZE OR BRASS



Number	Size, Inches	Description
111002 111002 1/4 111011 111012 111033 1/2 111022 111023 111507 111390 111010 1/2 111193 111118 111118 111124 *111118C	2 21/4 13/4x 13/4 21/8x 21/8 31/2 2 x 11/8 2 x 11/8 2 x 1/8 31/6x 23/4 11/4 61/4x 41/2 41/4x18 43/4x24 41/4x18 43/4x24	Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Knob rose Knob rose Lever, Model "C" spindle mounting Turn knob on plate, 3/16 inch spindle on diamond Turn knob on plate, 7/32 inch flat spindle Key escutcheon Push button Drawer knob Door knocker Hinge plate Hinge plate Curved hinge plate for right or left hand door Curved hinge plate for right or left hand door

^{*}Curved hinge plates are designed for doors 36 inches wide, with top of door on 18 inch radius, but can be used on doors 34 inches to 38 inches wide with regular radius. Measurement is from hinged edge of door to end of plate. Be sure to state hand of door. Standard Finish—HD91 and HD21. Specify if other finish required. Specify Number and Finish. Refer to Page No. 36 for description of finishes. For entrance door handle sets, refer to Page No. 258.

FAIRFIELD DESIGN SYMBOL 134

COLONIAL PERIOD
CAST BRONZE OR BRASS





No. 134507D



No. 134022 No. 134023



No. 1340013/4x134011

Number	Size, Inches	Description
13400134 134025 134011 134022 134023 134507D 13401014	1 3/4 2 1 5/8 1 7/8 x 3/4 1 7/8 x 3/4 1 7/8 x 3/4 1 1/4	Door knob, Model "C" spindle mounting Cylinder plate Knob rose Turn knob on plate, 3/6 inch spindle on diamond Turn knob on plate, 7/2 inch flat spindle Key escutcheon Drawer knob

Concealed screw roses can be furnished at additional price. Refer to Page No. 433. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number Description	Description	Lock		Trim		
	Description	Number	Page	Knobs	Roses	Plates
134220 134831 134833 134827 134977 †134340 †134340V	Latch Inside door Inside door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	220 831 833 827 977 340 340V	288 302 302 307 308 320 321	1340013/4 1340013/4 1340013/4 1340013/4 1340013/4 1340013/4	134011 134011 134011 134011 134011 134011	None 134507D 134507D 134507Dx134022 134022 134025x134022

Packed each set in a box, complete with screws.

†Specify thickness of door.

AMESBURY DESIGN SYMBOL 135

COLONIAL PERIOD CAST BRONZE OR BRASS



No. 135025



No. 135507D



No. 135022 No. 135023



No. 1350013/4 x135011

Number	Size, Inches	Description
135001 ³ / ₄ 135025 135011 135022 135023 135507D 135010 ¹ / ₂	1 3/4 2 1 5/8 1 7/8×3/4 1 7/8×3/4 1 7/8×3/4	Door knob, Model ''C'' spindle mounting Cylinder plate Knob rose Turn knob on plate, ¾ inch spindle on diamond Turn knob on plate, ¼ inch flat spindle Key escutcheon Drawer knob

Concealed screw roses can be furnished at additional price. Refer to Page No. 433. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description -	Lock		Trim		
Number		Number	Page	Knobs	Roses	Plates
135220 135831 135833 135827 135977 †135340 †135340V	Latch Inside door Inside door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	977 340	288 302 302 307 308 320 321	1350013/4 1350013/4 1350013/4 1350013/4 1350013/4 1350113/4 1350013/4	135011 135011 135011 135011 135011 135011	None 135507D 135507D 135507D 135507Dx135022 135022 135025x135022 135025

Packed each set in a box, complete with screws.

†Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

FAYVILLE BRONZE SYMBOL 136

COLONIAL PERIOD
CAST BRONZE OR BRASS



No. 136025



No. 136507D



No. 136023 No. 136023



No. 136002½x136011

Number	Size, Inches	Description
136002 ½ 136025 136011 136022 136023 136507D 136010 ½	2 ½ x 1 ½ 2 1 5 8 1 ½ x 3 ¼ 1 ½ x 3 ¼ 1 ½ x 3 ¼ 1 ½	Door knob, Model "C" spindle mounting Cylinder plate Knob rose Turn knob on plate, ¾6 inch spindle on diamond Turn knob on plate, ¼2 inch flat spindle Key escutcheon Drawer knob

If concealed type of roses are required, substitute No. 26B or 27B. Refer to Page No. 433. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Lock		Trim		
	Description	Number	Page	Knobs	Roses	Plates
136220 136831 136833 136827 136977 †136340 †136340V	Latch Inside door Inside door Bathroom door Communicating door Cylinder front door Cylinder, vestibule door	220 831 833 827 977 340 340V	288 302 302 307 308 320 321	136002½ 136002½ 136002½ 136002½ 136002½ 136002½	136011 136011 136011 136011 136011 136011	None 136507D 136507D 136507Dx136022 136022 136025x136022 136025

Packed each set in a box, complete with screws.

†Specify thickness of door.

FOXBORO DESIGN SYMBOL 137

CAST BRONZE OR BRASS
COLONIAL PERIOD



No. 137025



No. 137507



No. 137022





No. 137002x137011 Type Nos. 137002½x137012 Type Nos. 137003x137013

Number	Size, Inches	Description
137001 ³ / ₄ 137002 137002 ¹ / ₂ 137003 137025 137011 137012 137015 137022 137023 137507 137010 ¹ / ₂	1 3/4 2 2 1/2 3 2 1 3/4 2 1 3/4 2 2 1/2 1 7/8×7/8 1 7/8×7/8 1 7/8×7/8 1 1/4	Door knob, Model "C" spindle mounting Cylinder plate Knob rose Knob rose Knob rose Turn knob on plate, 3/6 inch spindle on diamond Turn knob on plate, 1/32 inch flat spindle Key escutcheon Drawer knob

If concealed screw type of roses are wanted, substitute No. 24B or No. 25B. Refer to Page No. 433. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

Number	Description	Lock		Trim				
Number	Description	Number	Page	Knobs	Roses	Plates		
A137220 B137220 A137831 B137831 A137833 B137833 A137827 B137827 A137977 B137977 †B137340 †B137340	Latch Latch Inside door Inside door Inside door Inside door Inside door Bathroom door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	220 220 831 831 833 833 827 827 977 977 977 340 340V	288 288 302 302 302 307 307 307 308 308 320 321	1370013/4 137002 1370013/4 137002 1370013/4 137002 1370013/4 137002 137002 137002 137002	137011 137011 137011 137011 137011 137011 137011 137011 137011 137011 137011	None None 137507 137507 137507 137507 137507x137022 137507x137022 137022 137022 137022 137025x137022		

Packed each set in a box, complete with screws.

†Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

If No. 1370021/x137012B knob and rose is wanted, change Symbol "B" to "F".

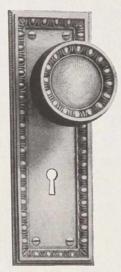
If No. 137003 x137015B knob and rose is wanted, change Symbol "B" to Symbol "G".

ATHENS DESIGN SYMBOL 138

CAST BRONZE OR BRASS GREEK PERIOD



No. 1380021/4x138005



No. 1380021/4x138103



No. 138102

CAST BRONZE AND BRASS LOCKSETS—With Model "C" Spindle Mountings

NI I	Description	Lock		Variable	Escutcheons	
Number		Number	Page	Knobs	Outside	Inside
138220 138210 138230 L138421 138831 138833 138853 138873 138877 138987 138977 †138340 †138340V †138340V †138390V †13890V †13890 138532 138533	Latch Latch Latch Trench door Inside door Inside door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Cylinder, office door Sliding door, single Sliding door, double	973 827 977 340 340V 890 890V 990 532	288 289 289 298 302 302 303 304 309 309 310 307 308 320 321 324 325 328 370 370	138002 ¼ 138002 ¼ 138002 ¼ 2—138031 Levers 138002 ¼	138103 138103 138103 138101 138103 138103 138103 138103 138103x22 138103 138103x22 138005 138005 138005 138005 138005 138005 138005	138103 138103 138101 138103 138103 138103 138103 138103x22 138103x22 138103x22 138103x22 138103x22 138103x22 138103x23 138103 138103 138103 138103 138103 138103 138103

Packed each set in a box, complete with screws.

†Specify thickness of door.

ATHENS DESIGN SYMBOL 138

CAST BRONZE OR BRASS GREEK PERIOD



No. 138447 Series



No. 138546



No. 138527



No. 138647 Series

Number	Size, Inches	Description		
138101 138103 138004 138005 138102 138002 1/4 138002 1/2 138390 138447 138453 138647 138653 138527 138546 138031	5 1/4x1 1/4 7 x2 1/4 93/8x3 103/4x3 63/4x2 3/4 2 1/4 2 1/2 5 x2 3/8 103/4x3 14 x3 1/8 103/4x3 14 x3 1/8 15/8x5 3/8 15/8x3 1/4 2 3/8	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Push button, dome Push plate Push plate Door pull x No. 140 Grip. Refer to Page No. 484 Door pull x No. 141 Grip. Refer to Page No. 484 Bar sash lift Flush sash lift Lever handle, Model "C" spindle mounting Refer to No. 31C, Page No. 424		

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheon only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

THESEUS DESIGN SYMBOL 139

CAST BRONZE OR BRASS GREEK PERIOD



No. 1390021/4x139005



No. 1390021/x139103



No. 139102

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

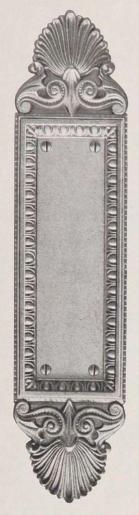
N. I.	Description	Lock		Knobs	Escutcheons	
Number	Description	Number	Page	MIODS	Outside	Inside
139220 139210 139230 L139421 139831 139833 139873 139877 139987 139977 †139340 †139340V †139340V †139890 †139890 †139890V †139890V †139890 139532 139533	Latch Latch Latch French door Inside door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Sliding door, single Sliding door, double	220 210 230 421 831 833 853 877 987 973 827 977 340 340V 890 890V 990 532 533	288 289 289 298 302 302 303 304 309 310 307 308 320 321 324 325 328 370 370	139002 ¼ 139002 ¼ 139002 ¼ 2—139031 Levers 139002 ¼	139103 139103 139103 139103 139103 139103 139103 139103 139103 139103 139103x22 139005 139005 139005 139005 139005 139005 139005	139103 139103 139101 139103 139103 139103 139103 139103x22 139103x22 139103x22 139103x22 139103x22 139103x22 139103x22 139103 139103 139103 139103 139103

Packed each set in a box, complete with screws.

†Specify thickness of door.

THESEUS DESIGN SYMBOL 139

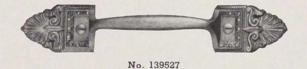
CAST BRONZE OR BRASS GREEK PERIOD



No. 139453 Series



No. 139546



No. 139653 Series

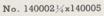
120101 7 wls/ Equitaboon	Number	Size, Inches	Description
139103	139004 139005 139102 139002 1/4 139002 1/2 139390 139452 139453 139455 139456 139653 139655 139656 139527 139546	10½x2½8 14 x3¼ 7 x2¾ 2½ 7 x2¾ 2½ 7¾x2¾8 2½ 4 x3¼ 16 x4 19 x3¼ 16 x4 18 x3¼ 16 x4 18 x3½ 1 ¼x7¼ 1 ½x7¼ 1 ½x7¾	Escutcheon Escutcheon Escutcheon for sliding door locks Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Push button, dome Letter box plate x hood—Opening %x4" Push plate Push plate Push plate Push plate Door pull x No. 141 grip. Refer to Page No. 484 Door pull x No. 143 grip. Refer to Page No. 484 Door pull x No. 144 grip. Refer to Page No. 484 Bar sash lift Flush sash lift

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

VERSAILLES DESIGN SYMBOL 140

CAST BRONZE OR BRASS LOUIS XV PERIOD







No. 1400021/4x140103



CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Escutcheons	
Number	Description	Number	Page	KHODS	Outside	Inside
140220 140210 140230 L140421 140831 140833 140853 140873 140877 140987 140977 †140340 †140340V †140340V †140890V †140990 140532 140533	Latch Latch Latch French door Inside door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bathroom door Communicating door Bathroom door Cylinder, front door Cylinder, westibule door Cylinder, vestibule door Cylinder, office door Sliding door, single Sliding door, double	853 873 877 987 973 827 977 340 340V 890 890 990 532	288 289 289 298 302 302 303 304 309 310 307 308 320 321 324 325 328 370 370	140002 ¼ 140002 ¼ 140002 ¼ 2—140031 Levers 140002 ¼ 140002 ¼ 140002 ¼ 140002 ¼ 140002 ¼ 140002 ¼ 140002 ¼ 140002 ¼ 140002 ¼ 140002 ¼ 140002 ¼ 140002 ¼ 140002 ¼ 140002 ¼ 140002 ¼ 140002 ¼ 140002 ¼ 140002 ¼ 140002 ¼ None None	140103 140103 140103 140101 140103 140103 140103 140103 140103 140103 140103 140103 140005 140005 140005 140005 140005 140102 140102	140103 140103 140103 140101 140103 140103 140103 140103x22 140103x22 140103x22 140103x22 140103x22 140103x22 140103 140103 140103 140103 140103

Packed each set in a box, complete with screws.

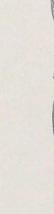
†Specify thickness of door.

VERSAILLES DESIGN SYMBOL 140

CAST BRONZE OR BRASS LOUIS XV PERIOD









No.	140449

Number	Size, Inches	Description		
140101 140103 140005 140102 140002 1/4 140002 1/2 140390 140449 140649 140546 140031	634x1 14 81/2x23/8 121/4x31/8 81/2x23/8 21/4 21/2 55/8x1 1/2 121/4x31/8 121/4x31/8 11/2x55/8 23/8	Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Push button Push plate Door pull x No. 140 Grip. Refer to Page No. 484 Flush sash lift Lever handle, Model "C" spindle mounting Refer to No. 31C, Page No. 424		

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

TUNIS DESIGN SYMBOL 141

CAST BRONZE OR BRASS ROMANESQUE PERIOD







No. 1410021/4x141103

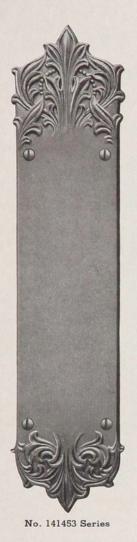
CAST BRONZE AND BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Loc	k	Knobs	Escutcheons	
Number	Description	Number	Page	KHODS	Outside	Inside
141220 141210 141230 L141421 141831 141833 141853 141873 141877 141987 141973 141977 †141340 †141340V †141890 †141890 †141990 141532 141533	Latch Latch Latch Trench door Inside door Ocommunicating door Bathroom door Communicating door Bathroom door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Sliding door, single Sliding door, double	220 210 230 421 831 833 853 873 877 987 973 827 977 340 340V 890 890V 990 532 533	288 289 289 298 302 302 303 304 309 309 310 307 308 320 321 324 325 328 370 370	141002 1/4 141002 1/4 2—141031 Levers 141002 1/4	141103 141103 141101 141103 141103 141103 141103 141103x22 141103 141103x22 141005 141005 141005 141005 141005 141005 141005	141103 141103 141101 141103 141103 141103 141103 141103x22 141103x22 141103x22 141103x22 141103x22 141103x23 141103 141103 141103 141103

Packed each set in a box, complete with screws. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

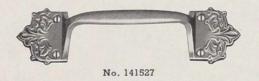
TUNIS DESIGN SYMBOL 141

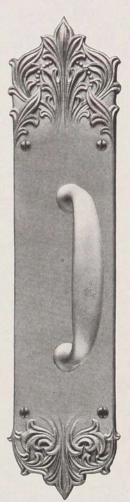
CAST BRONZE OR BRASS ROMANESQUE PERIOD





No. 141546





No. 141653 Series

Number	Size, Inches	Description
141101 141103 141103 \(\frac{1}{2} \) 141004 141005 141102 141002 \(\frac{1}{2} \) 141390 141450 141451 141452 141453 141454 141653 141654 141527 141546 141031	71/4x11/4 81/2x21/4 91/4x21/4 12 x31/4 14 x31/4 81/2x21/4 21/4 21/4 21/4 3 x10 3 x10 21/2x8 14 x31/4 163/4x31/4 114 x31/4 163/4x31/4 115/8x61/4 13/4x5 23/8	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Push button, dome Letter box plate—Opening 78" x434" Letter box plate x back plate Letter box plate x hood Push plate Push plate Push plate Door pull x No. 141 grip. Refer to Page No. 484 Door pull x No. 143 grip. Refer to Page No. 484 Bar sash lift Flush sash lift Lever handle, Model "C" spindle mounting Refer to No. 31C, Page No. 424

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

FOUNTAINE DESIGN SYMBOL 142

CAST BRONZE OR BRASS FRENCH RENAISSANCE PERIOD





No. 1420021/x142103



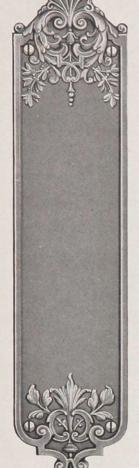
CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Loc	k	Knobs	Escutcheons	
Number	Description	Number	Page	KHODS	Outside	Inside
142220 142210 142230 L142421 142831 142833 142853 142873 142877 142987 142977 142977 142340 †142340V †142340V †142890V †142890V	Latch Latch Latch Latch French door Inside door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door	973 827 977 340 340V 890 890V	288 289 289 298 302 302 303 304 309 309 310 307 308 320 321 324 325 328	142002 ½ 142002 ½ 142002 ½ 2—142031 Levers 142002 ½	142103 142103 142103 142101 142103 142103 142103 142103 142103x22 142103 142103x22 142005 142005 142005 142005	142103 142103 142103 142101 142103 142103 142103 142103x22 142103x22 142103x22 142103x22 142103x22 142103x22 142103x22 142103x23 142103
142532 142533	Sliding door, single Sliding door, double	532	370 370	None None	142004 142102 142102	142004 142102 142102

Packed each in a box, complete with screws. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

FOUNTAINE DESIGN SYMBOL 142

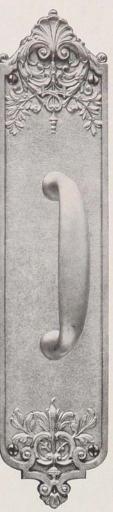
CAST BRONZE OR BRASS FRENCH RENAISSANCE PERIOD



No. 142453 Series

No. 142546





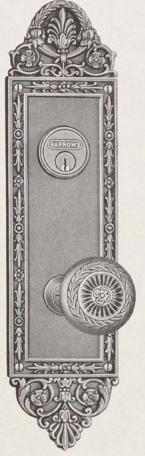
No. 142653 Series

Number	Size, Inches	Description		
142101 142103 142004 142005 142102 142002 14 142002 14 142390 142450 142451 142452 142453 142456 142653 142656 142527 142546 142031	634x1 14 934x236 12 x3 18 14 x3 18 934x238 214 214 224 678x238 238x834 228x834 14 x3 18 1734x3 18 114x5 114x5 238	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Push button, dome Letter box plate—opening 7/8x43/4 Letter box plate x back plate Letter box plate x hood Push plate Push plate Push plate Door pull x No. 141 Grip. Refer to Page No. 484 Door pull x No. 144 Grip. Refer to Page No. 484 Bar sash lift Flush sash lift Lever handle, Model "C" spindle mounting Refer to No. 31C, Page No. 424.		

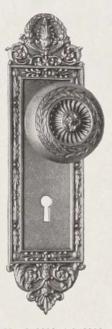
For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

VERONA DESIGN SYMBOL 143

CAST BRONZE OR BRASS EMPIRE PERIOD



No. 1430021/4×143005



No. 1430021/4×143103



No. 143102

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Escutcheons	
Number		Number	Page	KHODS	Outside	Inside
143220 143210 143230 L143421 143831 143833 143853 143873 143877 143987 143977 143977 †143340 †143340V †143890V †143890V †143890V †143890V †143890	Latch Latch Latch Trench door Inside door Inside door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Cylinder, office door Sliding door, double	220 210 230 421 831 833 853 873 877 987 973 827 977 340 340V 890 890V 990 532 533	288 289 289 298 302 303 304 309 309 310 307 308 320 321 324 325 328 370 370	143002 1/4 143002 1/4 143002 1/4 2—143031 Levers 143002 1/4	143103 143103 143101 143103 143103 143103 143103 143103x22 143103 143103x22 143005 143005 143005 143005 143005 143005	143103 143103 143101 143103 143103 143103 143103x22 143103x22 143103x22 143103x22 143103x22 143103x22 143103x23 143103 143103 143103 143103 143103

Packed each set in a box, complete with screws.

†Specify thickness of door.

VERONA DESIGN SYMBOL 143

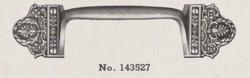
CAST BRONZE OR BRASS EMPIRE PERIOD



No. 143449 Series



No. 143546



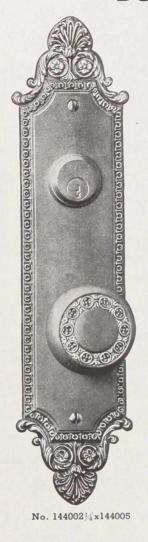


Number	Size, Inches	Description
143101 143103 143004 143005 143102 143002 1/4 143090 143450 143451 143452 143449 143454 143649 143654 143527 143546 143031	7¼xl ½8 8½x2¼ 10½x2¼ 12¾x3½8 8½x2¼ 2¼ 2½ 6¾x2¼ 2½ 6¾x2¼ 2¼x8½ 2¼x8½ 12¾x8½ 12¾x3½8 16¼x3½8 16¼x3½8 16¼x3½8 1½x6¼ 1½x4½8 2¾8	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Push button, dome Letter box plate—opening 7/8"x43/4" Letter box plate x back plate Letter box plate x hood Push plate Push plate Poor pull x No. 140 Grip. Refer to Page No. 484 Door pull x No. 143 Grip. Refer to Page No. 484 Bar sash lift Flush sash lift Lever handle, Model "C" spindle mounting Refer to No. 31C, Page No. 424

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

BOURGES DESIGN SYMBOL 144

CAST BRONZE OR BRASS
ITALIAN RENAISSANCE PERIOD





No. 1440021/4 x144103



No. 144102

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

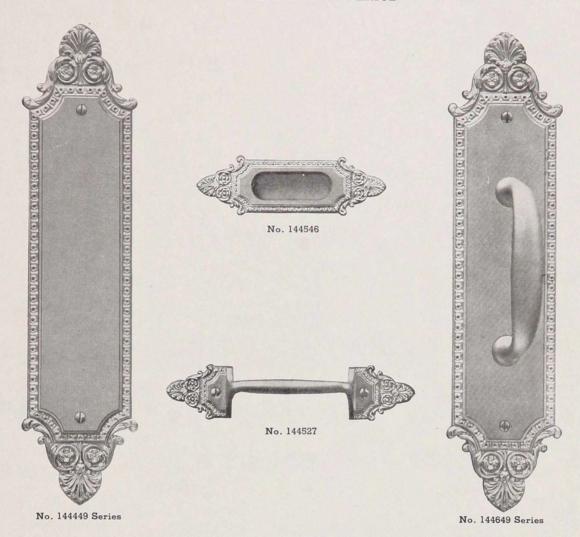
Number	Description	Loc	k	Knobs	Escuto	cheons
Number	Description	Number	Page	KHODS	Outside	Inside
144220 144210 144230 L144421 144831 144833 144853 144877 144987 144977 144987 144977 †144340 †144340V †144890V †144890V	Latch Latch Latch French door Inside door Inside door Inside door Inside door Inside door Communicating door Bath or bedroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door	877 987 973 827 977 340 340V 890 890V 990	288 289 289 298 302 302 303 304 309 309 310 307 308 320 321 324 325 328	144002 ½ 144002 ½ 144002 ½ 2—144031 Levers 144002 ½	144103 144103 144103 144101 144103 144103 144103 144103 144103 144103x22 144103 144103x22 144005 144005 144005 144005	144103 144103 144101 144103 144103 144103 144103 144103x22 144103x22 144103x22 144103x22 144103x22 144103x23 144103
144532 144533	Sliding door, single Sliding door, double		370 370	None None	144102 144102	144102

Packed each set in a box, complete with screws.

†Specify thickness of door.

BOURGES DESIGN SYMBOL 144

CAST BRONZE OR BRASS ITALIAN RENAISSANCE PERIOD



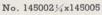
Number	Size, Inches	Description
144101 144103 144103 1/2 144004 144005 144102 144002 1/4 144002 1/2 144390 144450 144451 144452 144453 144453 144649 144653 144649 144653 144527 144546 144031	7 xl ¼ 8¼x2¼ 9¼x2¼ 11¼x3¼ 13½x3¼ 8¼x2¼ 2½ 6½x2¼ 2½ 6½x2¼ 2½x85% 2¼x85% 2¼x85% 13½x3¼ 15¾x3¼ 15¾x3¼ 15¾x3¼ 15¾x3¼ 25¾x3¼ 25¾x3½ 23%	Escutcheon

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

NANCY DESIGN SYMBOL 145

CAST BRONZE OR BRASS FRENCH RENAISSANCE PERIOD







No. 1450021/4x145103



No. 145102

CAST BRONZE AND BRASS LOCKSETS—With Model "C" Spindle Mountings

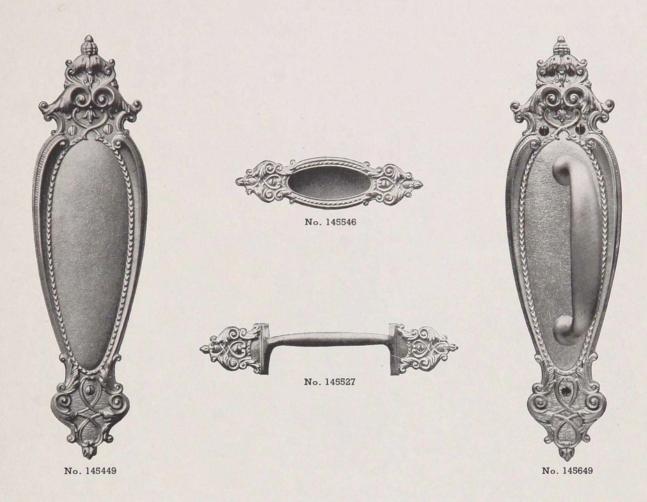
N l	Description	Loc	k	Knobs	Escuto	cheons
Number	Description	Number	Page	KHODS	Outside	Inside
145220 145210 145230 L145421 145831 145833 145853 145873 145877 145987 145977 †145340 †145340V †145340V †145890 †145890V 145990 145532 145533	Latch Latch Latch Latch French door Inside door Inside door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bath or bedroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Sliding door, single Sliding door, double	873 877 987 973 827 977 340 340V 890 890V 990 532	288 289 289 298 302 302 303 304 309 310 307 308 320 321 324 325 328 370 370	145002 1/4 145002 1/4 2—145031 Levers 145002 1/4	145103 145103 145103 145103 145103 145103 145103 145103 145103x22 145103 145103x22 145005 145005 145005 145005 145005 145005	145103 145103 145103 145103 145103 145103 145103x22 145103x22 145103x22 145103x22 145103x22 145103x22 145103x22 145103x22 145103x22 145103 145103 145103 145103

Packed each set in a box, complete with screws.

†Specify thickness of door.

NANCY DESIGN SYMBOL 145

CAST BRONZE OR BRASS FRENCH RENAISSANCE PERIOD



Number	Size, Inches	Description
145101 145103 145004 145005 145102 145002 1/4 145002 1/4 145390 145449 145454 145654 145654 145527 145546 145031	6¼xl¼ 8½x23/8 9 x23/8 11¾x3¼ 8½x23/8 2¼ 2½ 7 x23/8 11¾x3¼ 17 x35/8 11¾x3¼ 17 x35/8 1½x7¼ 1½x5¼ 2¾	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Push button, dome Push plate Push plate Door pull x No. 140 grip. Refer to Page No. 484 Door pull x No. 143 grip. Refer to Page No. 484 Bar sash lift Flush sash lift Lever handle, Model "C" spindle mounting Refer to No. 31C, Page No. 424

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

ZURICH DESIGN SYMBOL 146

CAST BRONZE OR BRASS GERMAN RENAISSANCE PERIOD



No. 1460021/4x146005



No. 1460021/4x146103



No. 146102

CAST BRONZE AND BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Loc	k	Knobs	Escuto	cheons
rumber	Doscription	Number	Page	ATTOOS	Outside	Inside
146220 146210 146230 L146421 146831 146833 146853 146877 146877 146977 146977 146977 146340 †146340V 146532 146533	Latch Latch Latch Latch French door Inside door Inside door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Sliding door, single Sliding door, double	831 833 853 873 877 987 973 827 977 340 340V 532	288 289 289 298 302 302 303 304 309 309 310 307 307 308 320 321 370 370	146002 ¼ 146002 ¼ 146002 ¼ 2—146031 Levers 146002 ¼ 146002 ¼ 146002 ¼ 146002 ¼ 146002 ¼ 146002 ¼ 146002 ¼ 146002 ¼ 146002 ¼ 146002 ¼ 146002 ¼ 146002 ¼ 146002 ¼ 146002 ¼ None None	146103 146103 146101 146103 146103 146103 146103 146103 146103 146103 146103 146103 146005 146005 146005 146102	146103 146103 146101 146103 146103 146103 146103x22 146103x22 146103x22 146103x22 146103x22 146103x22 146103x22

Packed each set in a box, complete with screws.

†Specify thickness of door.

ZURICH DESIGN SYMBOL 146

CAST BRONZE OR BRASS GERMAN RENAISSANCE PERIOD



No. 146449 Series



No. 146546



No. 146527



No. 146649 Series

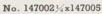
Number	Size, Inches	Description
146101 146103 146004 146005 146102 146002 1/4 146002 1/2 146390 146449 146456 146458 146656 146658 146527 146546 146031	6 1/8 x 1 5/8 8 1/4 x 2 5/8 9 x 2 5/8 12 1/4 x 3/8 8 x 2 5/8 2 1/4 2 1/2 7 x 2 5/8 12 1/4 x 3/8 17 1/4 x 4 19 1/4 x 5/8 2 1/6 x 5/2 2 3/8	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Push button, dome Push plate Push plate Push plate Push plate Door pull x No. 140 grip. Refer to Page No. 484 Door pull x No. 143 grip. Refer to Page No. 484 Door pull x No. 144 grip. Refer to Page No. 484 Bar sash lift Flush sash lift Lever handle, Model "C" spindle mounting Refer to No. 31C, Page No. 424

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

NAVARRE DESIGN SYMBOL 147

CAST BRONZE OR BRASS FRENCH RENAISSANCE PERIOD







No. 1470021/4×147103



No. 147102

CAST BRONZE AND BRASS LOCKSETS—With Model "C" Spindle Mountings

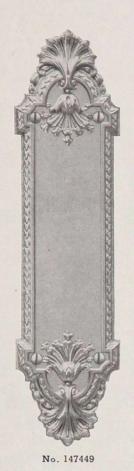
Number	Description	Loc	k	Knobs	Escuto	cheons
rumber	2000.19.101	Number	Page	IIIIODO	Outside	Inside
147220 147210 147230 L147421 147831 147833 147853 147877 147987 147977 147977 †147340 †147340V †147890V †147890V †147890V †147890V	Latch Latch Latch French door Inside door Sathroom door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Sliding door, single Sliding door, double		288 289 289 298 302 302 303 304 309 310 307 308 320 321 324 325 328 370 370	147002 ¼ 147002 ¼ 147002 ¼ 2—147031 Levers 147002 ¼	147103 147103 147101 147103 147103 147103 147103 147103 147103x22 147103 147103x22 147005 147005 147005 147005 147005 147005 147005	147103 147103 147101 147103 147103 147103 147103 147103x22 147103x22 147103x22 147103x22 147103x22 147103x22 147103x23 147103 147103 147103 147103

Packed each set in a box, complete with screws.

†Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

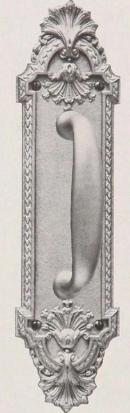
NAVARRE DESIGN SYMBOL 147

CAST BRONZE OR BRASS FRENCH RENAISSANCE PERIOD









No. 147546

No. 147649

Number	Size, Inches	Description
147101 147103 147004 147005 147102 147002 147002 147390 147450 147451 147452 14749 147456 147656 147649 147656 147527 147546 147031	6¼x1¼ 8½x2¼ 9 x2¼ 12 x3 8½x2¼ 2½ 6½x2¼ 2½ 6½x2¼ 2¼x8½ 2¼x8½ 12 x3 17 x3 12 x3 17 x3 1½x6¾ 1½x5¼ 2¾x6¼ 2¾x6¾	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Push button, dome Letter box plate—Opening 7%"x4" Letter box plate x back plate Letter box plate x hood Push plate Push plate Door pull x No. 140 grip. Refer to Page No. 484 Door pull x No. 143 grip. Refer to Page No. 484 Bar sash lift Flush sash lift Lever handle, Model "C" spindle mounting Refer to No. 31C, Page No. 424

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

DANVILLE DESIGN SYMBOL 148

CAST BRONZE OR BRASS COLONIAL PERIOD









No. 148022





No. 1480013/x148011 No. 148002x148011

Number	Size, Inches	Description		
14800134 148002 148025 148011 148012 148022 148023 148507 14801042	13/4 2 13/4 13/4 2 17/8×7/8 17/8×7/8 17/8×7/8	Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Cylinder plate Knob rose Knob rose Turn knob on plate, 3/16 inch spindle on diamond Turn knob on plate, 7/32 inch flat spindle Key escutcheon Drawer knob		

Concealed screw roses can be furnished at additional price. Refer to Page No. 433. Specify Number and Finish. Refer to Page No. 36 for description of finish.

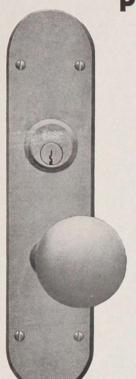
CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Description Lock		Trim			
Trumbor	Boothpaon	Number	Page	Knobs	Roses	Plates	
A148220 B148220 A148831 B148831 A148833 B148833 A148827 B148827 A148977 B148977 B148340 †B148340V	Latch Latch Inside door Inside door Inside door Inside door Inside door Bathroom door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	220 220 831 831 833 833 837 837 977 977 977 340 340V	288 288 302 302 302 307 307 307 308 308 320 321	1480013/4 148002 1480013/4 148002 1480013/4 148002 1480013/4 148002 148002 148002 148002	148011 148011 148011 148011 148011 148011 148011 148011 148011	None None 148507 148507 148507 148507 148507x148022 148022 148022 148022 148022 148025x148022	

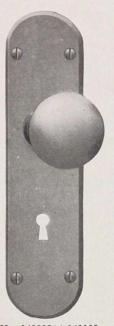
Packed each set in a box, complete with screws.

†Specify thickness of door.

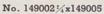
PITTFIELD DESIGN SYMBOL 149



CAST BRONZE OR BRASS COLONIAL PERIOD



No. 149447



No. 1490021/4x149103

Number	Size, Inches	Description
149100	4½x1 1/8	Escutcheon
149101	6 xl 1/8	Escutcheon
149103		Escutcheon
	71/4x2	
149004	8½x2⅓	Escutcheon
149004 1/2	93/4x21/8	Escutcheon
149005	103/4x21/2	Escutcheon
149102	6 x2½	Escutcheon for sliding door locks
1490013/4	13/4	Door knob, Model "C" spindle mounting
149002 1/4	21/	Door knob, Model "C" spindle mounting
149002 1/2	1 ¾ 2 ¼ 2 ½	Door knob, Model "C" spindle mounting
149390	4½x2	Push button
149447	1034x21/2	Push plate
149449		Push plate
	12 ¹ / ₄ x2 ⁷ / ₈	
149453	14 x3 1/4	Push plate
149647	103/4x21/2	Door pull x No. 140 Grip. Refer to Page No. 484
149649	121/4x27/8	Door pull x No. 140 Grip. Refer to Page No. 484
149653	14 x3¼	Door pull x No. 141 Grip. Refer to Page No. 484
149031	23/8	Lever handle, Model "C" spindle mounting
		Refer to No. 31C, Page No. 424
149546	1 ½x45/8	Flush sash lift

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	N		k	Knobs	Escutcheons	
Mumber	Description	Number	Page	KHODS	Outside	Inside
149220 149421 L149421 149831 149827 149977 †149340 †149340V 149532 149533	Latch French door French door Inside door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Sliding door, single Sliding door, double	421	288 298 298 302 307 308 320 321 370 370	149002 ¹ / ₄ 149001 ³ / ₄ ×149031 Lever 2—149031 Levers 149002 ¹ / ₄ 149002 ¹ / ₄ 149002 ¹ / ₄ 149002 ¹ / ₄ None None	149103 149101 149103 149103 149103 149103x22 149005 149005 149102 149102	149103 149101 149103 149103x22 149103x22 149103x22 149103 149102 149102

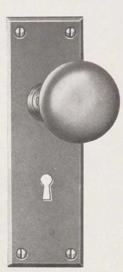
Packed each set in a box, complete with screws. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

PITTWOOD DESIGN SYMBOL 161

CAST BRONZE OR BRASS







No. 1610021/4 x 161103



No. 1610021/4 x 161005

CAST BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

Number	Description	Loc	k	Knobs	Escuto	cheons
Number	Description	Number	Page	MIODS	Outside	Inside
161220 161421 161831 161833 161853 161877 161877 161973 161827 161977 †161340 †161340V †161890 †161890V †161990 161532 161533	Latch. French door Inside door Inside door Inside door Inside door Inside door Inside door Bathroom door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Sliding door, single Sliding door, double		288 298 302 302 303 304 309 310 307 308 320 321 324 325 328 370 370	161002 ¼ 161001 ¾x161031 161002 ¼ 161002 ¼ 161002 ¼ 161002 ¼ 161002 ¼ 161002 ¼ 161002 ¼ 161002 ¼ 161002 ¼ 161002 ¼ 161002 ¼ 161002 ¼ 161002 ¼ 161002 ¼ 161002 ¼ 161002 ¼ None None	161103 161101 161103 161103 161103 161103 161103x22 161103 161103x22 161005 161005 161005 161005 161004 161004 161102 161102	161103 161101 161103 161103 161103 161103x22 161103x22 161103x22 161103x22 161103x22 161103x22 161103x23 161103 161103 161103

Packed each in a box, complete with screws. For entrance handle sets, refer to Page No. 268. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS With Wrought Top Cast Shank Knobs, With Model "C" Spindle Mountings

E161220 E161831 E161833 E161853 E161877 E161977 E161973 E161827 E161977 †E161340 †E161340V †E161890	Latch Inside door Inside door Inside door Inside door Inside door Bathroom door Communicating door Bath or bedroom door Communicating door Cylinder, front door Cylinder, front door Cylinder, front door	220 831 833 853 873 877 987 973 827 977 340 340V 890	288 302 303 304 309 309 310 307 308 320 321 324	E161002 ¼	161103 161103 161103 161103 161103 161103x22 161103 161103x22 161005 161005	161103 161103 161103 161103 161103x22 161103x22 161103x22 161103x22 161103x22 161103x22
†E161890V †E161890V †E161990	Cylinder, front door Cylinder, vestibule door Cylinder, office door	890 890V 990	324 325 328	E161002 ¹ / ₄ E161002 ¹ / ₄ E161002 ¹ / ₄		161103x23 161103 161004

Packed each in a box, complete with screws. For entrance handle sets, refer to Page No. 268. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

PITTWOOD DESIGN SYMBOL 161

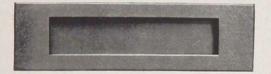
MISSION PERIOD CAST BRONZE OR BRASS



Nos. 161546 and 161547



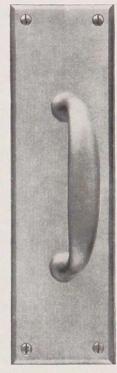
No. 161390



Nos. 161450 and 1614503/4 Series



No. 161447 Series



No. 161647 Series

Number	Size, Inches	Description
161100 161101 161103 161103 161103 161004 161005 161102 161001 161002 161002 161002 161002 161023 161023 161507 161507 161507 161507 161507 161450 161451 161452 161453 161452 161453 161457 161647 161647 161647 161547 161031	334x134 6 x13/8 7 x21/4 61/4x2 8 x21/2 10 x3 55/8x21/4 13/4 21/4 21/4 21/4 21/4 21/4 21/4 21/4 21	Escutcheon Model "C" spindle mounting Door knob, Model "C" spindle mounting Door knob, wrought top cast shank, Model "C" spindle mounting Knob rose Turn knob on plate, 1/16 inch spindle on diamond Turn knob on plate, 1/12 inch flat spindle Key escutcheon Key escutcheon Key escutcheon, 4 screw holes Push button Letter box plate—opening 1 "x434" Letter box plate x back plate Letter box plate x hood Letter box plate x hood Letter box plate x back plate. Gov't standard opening Letter box plate x back plate. Gov't standard openi

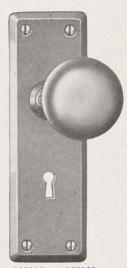
For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

KENT DESIGN SYMBOL 162

CAST BRONZE OR BRASS



No. 162102



No. 1620021/4 x 162103



No. 1620021/4 x 162005

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Lock		Knobs	Escutcheons	
Number	Description	Number	Page	KHODS	Outside	Inside
162220 162421 162831 162833 162853 162873 162877 162987 162977 162977 †162340 †162340V †162890 †162890V †162890V †162532 162533	Latch French door Inside door Communicating door Bathroom door Communicating door Bathroom door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Sliding door, single Sliding door, double	532	288 298 302 302 303 304 309 310 307 308 320 321 324 325 328 370 370	162002 1/4 162001 3/4 x 162031 Lever 162002 1/4 None None	162103 162101 162103 162103 162103 162103 162103 162103x22 162103 162103x22 162005 162005 162005 162005 162005 162004 162102	162103 162101 162103 162103 162103 162103x22 162103x22 162103x22 162103x22 162103x22 162103x22 162103x23 162103 162103 162103

Packed each, 1 set in a box, complete with screws. For entrance handle sets, refer to Page No. 266. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WITH WROUGHT TOP CAST SHANK KNOBS-With Model "C" Spindle Mountings

E162220 E162831 E162833 E162853 E162877 E162987 E162973 E162977 †E162340 †E162340V	Latch Inside door Inside door Inside door Inside door Inside door Inside door Bathroom door Communicating door Bath or bedroom door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	220 831 833 853 873 877 987 973 827 977 340 340V	288 302 302 303 304 309 309 310 307 308 320 321	E162002 ¼	162103 162103 162103 162103 162103 162103 162103 162103 162103 162103 162005	162103 162103 162103 162103 162103 162103x22 162103x22 162103x22 162103x22 162103x22 162103x22
†E162340V †E162890 †E162890V †E162990	Cylinder, vestibule door Cylinder, front door Cylinder, vestibule door Cylinder, office door	890 890V 990	324 325 328	E162002¼ E162002¼ E162002¼ E162002¼	162005 162005 162005 162004	162103 162103x23 162103 162004

Packed each, 1 set in a box, complete with screws. For entrance handle sets, refer to Page No. 266. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

KENT DESIGN SYMBOL 162

COLONIAL PERIOD CAST BRONZE OR BRASS







No. 162546

No. 162507

No. 162390



No. 162450-1624503/4 Series







No. 162647 Series

Number	Size, Inches	Description
162100 162101 162102 ½ 162103 162004 162005 162102 162001 ¾ 162002 ¼ 162002 ½ E162002 ¼	3½x1½ 5 x13% 7 x2¼ 6 x2 8 x2½ 10 x3 6 x2 134 2¼ 2½ 2½ 2¼	Escutcheon for sliding door locks Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Door knob, wought top cast shank, Model "C" spindle
162012 162022 162023 162507 162390 162450 162451 162452 162453 162451 162452 162454 16247 162647 162546 162031	2 x2 2½x1½ 2½x1½ 2½x1½ 2½x1½ 2½x8 2½x8 2½x8 3 x10 3 x10 3 x10 Series Series 1½x3½ 2¾x3½ 2¾x3½	mounting Knob rose Turn knob on plate, ¾6 inch spindle on diamond Turn knob on plate, √2 inch flat spindle Key escutcheon Push button Letter box plate—opening—1 ⅓8″x5″ Letter box plate x back plate Letter box plate x hood Letter box plate x back plate. Gov't standard opening Letter box plate x back plate. Gov't standard opening Letter box plate x hood. Gov't standard opening Push plate. Refer to Pages Nos. 474 and 475 Door pull. Refer to Pages Nos. 478 and 479 Flush sash lift Lever handle, Model ''C'' spindle mounting Refer to No. 31C, Page No. 424

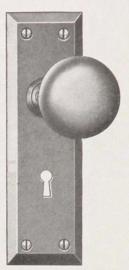
For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

SALEM DESIGN SYMBOL 163

CAST BRONZE OR BRASS







No. 1630021/4 x 163103



No. 1630021/4 x 163005

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Loc	k	Knobs	Escutcheons	
Number	Description	Number	Page	KHODS	Outside	Inside
163220 163421 163831 163833 163853 163873 163877 163987 163973 163827 163977 †163340 †163340V †163890V †163890V †163890V †163890	Latch French door Inside door Inside door Inside door Inside door Inside door Inside door Bathroom door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, office door Sliding door, double Sliding door, double	973 827 977 340 340V 890 890V	288 298 302 302 303 304 309 309 310 307 308 320 321 324 325 328 370 370	163002 1/4 163001 3/4 x 163031 Lever 163002 1/4 163002 1/4 163002 1/4 163002 1/4 163002 1/4 163002 1/4 163002 1/4 163002 1/4 163002 1/4 163002 1/4 163002 1/4 163002 1/4 163002 1/4 163002 1/4 163002 1/4 163002 1/4 163002 1/4 None None	163103 163101 163103 163103 163103 163103 163103x22 163103 163103x22 163005 163005 163005 163005 163005 163005 163005	163103 163101 163103 163103 163103 163103x22 163103x22 163103x22 163103x22 163103x22 163103x22 163103 163103x22 163103

Packed each set in a box, complete with screws. For entrance handle sets, refer to Page Nos. 249-266. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings Wrought Top Cast Shank Knobs

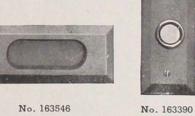
E163220 E163831 E163833 E163853 E163873 E163877 E163987	Latch Inside door Inside door Inside door Inside door Bathroom door Communicating door Bath or bedroom door	220 831 833 853 873 877 987 973	288 302 302 303 304 309 309 310	E163002 ¼	163103 163103 163103 163103 163103 163103x22 163103	163103 163103 163103 163103 163103x22 163103x22 163103x22
E163827 E163977 †E163340 †E163340V †E163890 †E163890V †E163990	Bathroom door	827 977 340 340V 890 890V 990	307 308 320 321 324 325 328	E163002 ¼	163103 163103x22 163005 163005 163005 163005 163004	163103x22 163103x22 163103x22 163103 163103x23 163103 163004

Packed each set in a box, complete with screws. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

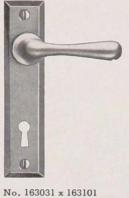
SALEM DESIGN SYMBOL 163

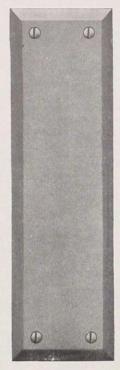
CAST BRONZE OR BRASS

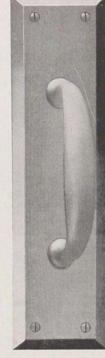


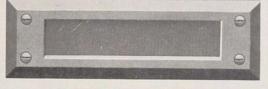












No. 163450-1634503/4 Series



No. 163647 Series

Number	Size, Inches	Description
163100 163101 163103 163103 163004 163005 163102 163001 34 163002 14 163002 14 163002 14 163012 163012 163022 163023 163507 163390 163450 163451	312e, filches 4½x2 6 x1¾8 7 x2¼ 7½x2¼ 8 x2½ 10 x3 5¼x2¾8 1¾ 2¼ 2½ 2¼ 2¼ 2¼ 2¼ 2¼ 2¼x1¼8 2¼x1¼8 2¼x1¼8 2¼x1¼8 2¼x1¼8 2¼x1¼8 2¼x1¼8 2¼x1¼8 2¼x1¼8 2¼x1½8 2¼x7 2¼x7	Escutcheon
163452 163450 3/4 163451 3/4 163452 3/4 163447 163647 163546	2 1/4 x 7 2 1/4 x 7 3 x 10 3 x 10 3 x 10 Series Series 1 5/8 x 3 3/4	Letter box plate x hood Letter box plate—opening l ½"x7". Gov't standard opening Letter box plate x back plate. Gov't standard opening Letter box plate x hood. Gov't standard opening Push plate. Refer to Pages Nos. 474 and 475 Door pull. Refer to Pages Nos. 478 and 479 Flush sash lift

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CHARLTON DESIGN SYMBOL 164

COLONIAL PERIOD CAST BRONZE OR BRASS







No. 1640021/4 x 164103

No. 1640021/4 x 164005

CAST BRONZE AND BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Loc	k	Knobs	Escuto	cheons
Number	Description	Number	Page	KIIODS	Outside	Inside
164220 164210 164230 164421 164831 164833 164853 164873 164877 164987 164977 164977 †164340 †164340V †164890V †164890V †164890 †164532 164533	Latch Latch Latch Latch French door Inside door Inside door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bath or bedroom door Cylinder, front door Cylinder, front door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Sliding door, single Sliding door, double	220 210 230 421 831 833 853 873 877 987 973 827 977 340 340V 890 890V 990 532 533	288 289 289 298 302 302 303 304 309 309 310 307 308 320 321 324 325 328 370 370	164002 ¼ 164002 ¼ 164002 ¼ 164001 ¾ x164031 Lever 164002 ¼	164103 164103 164101 164103 164103 164103 164103 164103 164103*22 164103 164103*22 164005 164005 164005 164005 164004	164103 164103 164101 164103 164103 164103 164103 164103x22 164103x22 164103x22 164103x22 164103x22 164103x23 164103 164103

Packed each set in a box, complete with screws.

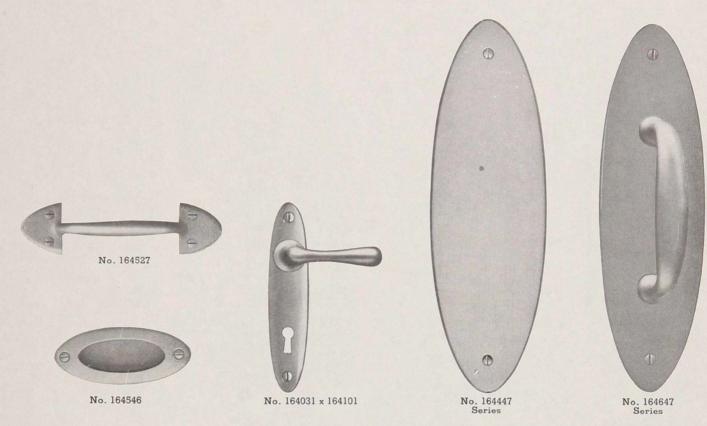
†Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

For entrance handle sets, refer to Pages Nos. 250 and 268.

CHARLTON DESIGN SYMBOL 164

COLONIAL PERIOD CAST BRONZE OR BRASS

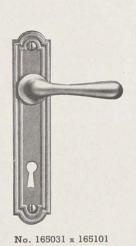


Number	Size, Inches	Description
164100 164101 164103 164004 164005 164102 164001 3/4 164002 1/2 164022 164023 164023 164507 164390 164450 164451 164452 164447 164449 164453 164458 164653 164658 164527 164546 164031	5 x2 5 ½x1 ½ 7 ½x2 ¾ 8 ¾ x2 ¾ 8 ¾ x2 ¾ 10 ½ x3 ½ 1 ¾ 2 ½ 2 ½ 2 ½ 2 ½ x1 2 ½ x3 ½ 10 ½ x3 ½ 12 x3 ½ 15 ¾ x3 ½ 12 x3 ½ 15 ¾ x3 ½ 12 x3 ½ 15 ¾ x3 ½ 15 ¾ x3 ½ 15 ¾ x3 ½ 15 ¾ x3 ½ 20 x4 10 ½ x3 ½ 15 ¾ x3 ½ 15 ¾ x3 ½ 20 x4 11 ½ x5 ¾ 15 ¾ x3 ½ 20 x4 11 ½ x5 ¾ 15 ¾ x3 ½ 20 x4 11 ½ x5 ¾ 15 ¾ x3 ½ 20 x4 11 ½ x5 ¾ 15 ¾ x3 ½ 20 x4 11 ½ x5 ¾ 15 ¾ x3 ½ 20 x4 11 ½ x5 ¾ 15 ¾ x3 ½ 20 x4 11 ½ x5 ¾ 15 ¾ x3 ½ 20 x4 11 ½ x5 ¾ 15 ¾ x3 ½ 20 x4 11 ½ x5 ¾ 15 ¾ x3 ½ 20 x4 11 ½ x5 ¾ 15 ¾ x3 ½ 20 x4 11 ½ x5 ¾ 15 ¾ x3 ½ 23 ½	Escutcheon Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Turn knob on plate, spindle on diamond Turn knob on plate, inch spindle on diamond Turn knob on plate, inch flat spindle Key escutcheon Push button Letter box plate—opening l"x4%" Letter box plate x back plate Letter box plate x hood Push plate Push plate Push plate Push plate Push plate Door pull x No. 140 grip. Refer to Page No. 484 Door pull x No. 140 grip. Refer to Page No. 484 Door pull x No. 145 grip. Refer to Page No. 484 Door pull x No. 145 grip. Refer to Page No. 484 Bar sash lift Flush sash lift Lever handle, Model "C" spindle mounting

For escutcheons with turn knob, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

RUMFORD DESIGN SYMBOL 165

NEO CLASSIC PERIOD CAST BRONZE OR BRASS









No. 1650021/4 x 165103

No. 1650021/4 x 165005

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description Lock Knobs	Knobs	Escutcheons			
Number	Description	Number	Page	MIODS	Outside	Inside
165220 165210 165230 165421 165831 165833 165853 165873 165877 165987 165977 †165340 †165340V †165340V †165890V †165890V †165890 †165990 165532 165533	Latch Latch Latch Trench door Inside door Sathroom door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Cylinder, office door Sliding door, single Sliding door, double	833 853 873 877 987 973 827 977 340 340V 890 890 990 532	288 289 289 298 302 302 303 304 309 310 307 308 320 321 324 325 328 370 370	165002 1/4 None None	165103 165103 165103 165103 165103 165103 165103 165103x22 165103 165103x22 165005 165005 165005 165005 165005 165005	165103 165103 165101 165103 165103 165103 165103 165103x22 165103x22 165103x22 165103x22 165103x22 165103x22 165103x23 165103

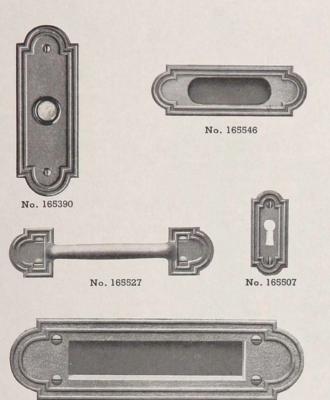
Packed each set in a box, complete with screws.

For entrance handle sets, refer to Page No. 269.

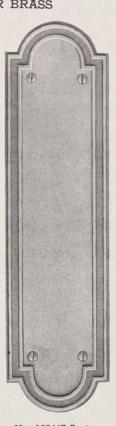
†Specify thickness of door.

RUMFORD DESIGN SYMBOL 165

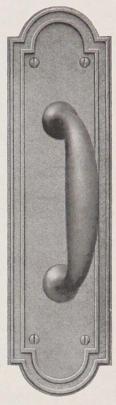
NEO CLASSIC PERIOD CAST BRONZE OR BRASS







No. 165447 Series



No. 165647 Series

Number	Size, Inches	Description
165100 165101 165103 165103 1/2 165004 165005 165102 165002 1/4 165002 1/2 165022 165023 165507 165390 165451 165452 165451 3/4 165452 3/4 165451 3/4 165453 165458 165458 165458	434x134 55/x11/8 7 x23/8 8 x23/8 9 x3 11 x3 7 x23/8 13/4 21/4 22/2 21/2x1/8 22/2x1/8 41/4x13/8 22/8x8/4 23/8x8/4 23/8x8/4 3 x11 3 x11 11 x3 15 x3 18 x31/2 20 x4 11 x3 15 x3	Escutcheon Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Turn knob on plate, % inch spindle on diamond Turn knob on plate, % inch flat spindle Key escutcheon Push button Letter box plate—Opening 1 "x43/4" Letter box plate x back plate Letter box plate x bood Letter box plate x hood Letter box plate x back plate. Gov't standard opening Letter box plate x back plate. Gov't standard opening Letter box plate x hood. Gov't standard opening Push plate Push plate Push plate Push plate Poor pull x No. 140 grip. Refer to Page No. 484 Door pull x No. 142 grip. Refer to Page No. 484 Door pull x No. 142 grip. Refer to Page No. 484
165656 165658 165527 165546 165031	18 x3½ 20 x4 1½x5¾ 1¾8x4¼ 2¾8	Door pull x No. 144 grip. Refer to Page No. 484 Door pull x No. 145 grip. Refer to Page No. 484 Bar sash lift Flush sash lift Lever, Model "C" spindle mounting

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

MANCHESTER DESIGN SYMBOL 166

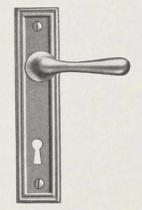
NEO CLASSIC PERIOD CAST BRONZE OR BRASS



No. 1660021/4 x 166012



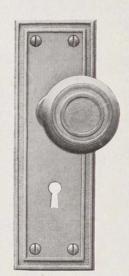
No. 166507



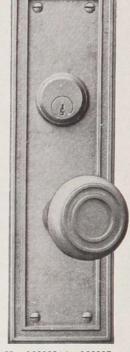
No. 166031 x 166101



No. 166102



No. 1660021/4 x 166103



No. 1660021/4 x 166005

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Loc	k	Knobs Escutcheons	cheons	
rumber	Description	Number	Page	KHODS	Outside	Inside
166220 166210 166230 166421 166831 166833 166853 166877 166987 166973 166977 †166340 †166340V †166390 †166890V †166990 166532 166533	Latch Latch Latch French door Inside door Inside door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Cylinder, office door Sliding door, single Sliding door, double	987 973 827 977 340 340V 890 890V 990 532	288 289 289 298 302 302 303 304 309 309 310 307 308 320 321 324 325 328 370 370	166002 1/4 166002 1/4	166103 166103 166101 166103 166103 166103 166103 166103x22 166103 166103x22 166005 166005 166005 166005 166005 166004 166102	166103 166103 166103 166103 166103 166103 166103x22 166103x22 166103x22 166103x22 166103x22 166103x23 166103 166103 166103

Packed each set in a box, complete with screws.

For entrance handle sets, refer to Page Nos. 254 and 269.

†Specify thickness of door.

MANCHESTER DESIGN SYMBOL 166



No. 166390

NEO CLASSIC PERIOD CAST BRONZE OR BRASS



No. 166546



No. 166527



No. 166450-1664503/4 Series



No. 166447 Series



No. 166647 Series

Number	Size, Inches	Description
Number 166100 166101 166103 166004 166004 166004 166005 166102 166002 166002 166013 166022 166013 166022 166390 166450 166451 166452 166451 166452 166451 166453 166454 166458 166454 166458 166657 166654 166658 166657	Size, Inches 4 3/4 x1 3/4 5 1/2 x1 1/8 7 1/4 x2 3/8 8	Escutcheon Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Knob rose Turn knob on plate, % inch spindle on diamond Turn knob on plate, % inch flat spindle Key escutcheon Push button Letter box plate—Opening 1 ½"x7". Gov't standard opening Letter box plate x back plate. Gov't standard opening Letter box plate x topening 1 "x434" Letter box plate x opening 1 "x434" Letter box plate x back plate Letter box plate x hood Push plate Pus
166025 166010 ½ 166189	2 x2 1 1/4 61/2 x 4 1/2	Cylinder plate Drawer knob Door knocker

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

OLYMPIA DESIGN SYMBOL 167

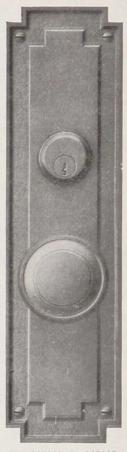
GREEK PERIOD CAST BRONZE OR BRASS







No. 1670021/4 x 167103



No. 1670021/4 x 167005

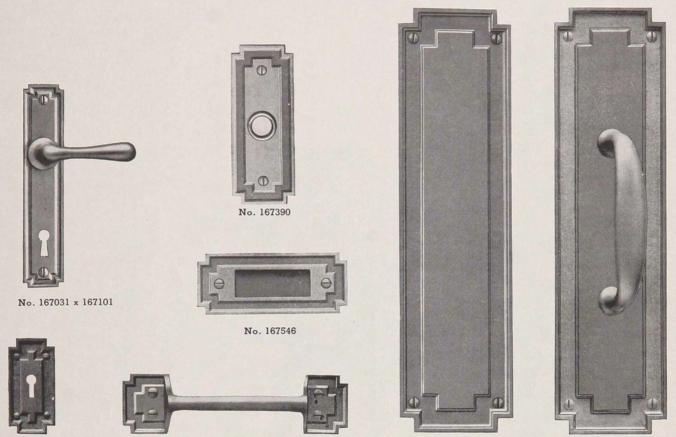
CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Loc	k	Knobs	Escutcheons	
Number .	Description	Number	Page	KIIODS	Outside	Inside
167200 167210 167230 L167421 167831 167833 167853 167873 167877 167987 167977 167977 167340 †167340V †167340V †167340V †167890V †167890V †167890V	Latch Latch Latch French door Inside door Inside door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bath or bedroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Cylinder, office door Sliding door, single Sliding door, double	831 833 853 873 877 987 973 827 977 340 340V 890 890V	288 289 289 298 302 303 304 309 309 310 307 308 320 321 324 325 328 370 370	167002 ¼ 167002 ¼ 167002 ¼ 2—167031 Levers 167002 ¼	167103 167103 167101 167103 167103 167103 167103 167103x22 167103 167103x22 167005 167005 167005 167005 167005 1670041/2 167102	167103 167103 167103 167101 167103 167103 167103 167103x22 167103x22 167103x22 167103x22 167103x22 167103x22 167103x22 167103 167103 167103 167103 167104 167102 167102

Packed each set in a box, complete with screws. For entrance handle sets, refer to Page Nos. 255 and 268. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

OLYMPIA DESIGN SYMBOL 167

GREEK PERIOD CAST BRONZE OR BRASS

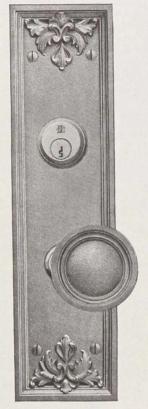


No. 167507 No. 167527		No. 167447 Series	No. 167647 Series
Number	Size, Inches	Descripti	on
Number 167100 167101 167103 167004 167004 167005 167102 167002 167002 167022 167023 167507 167390 167450 167451 167452 167449 A167449 A167449	Size, Inches 4½x1¾ 5½x1½ 5½x1½ 8 7½x2½ 8 x2½ 10½x3¾ 12 x3¾ 2½ 2½ 2½ 2½ 2½ 2¼x1 2¼x1 4½x1¾ 4½x1¾ 2¾x8¾ 2¾x8¾ 2¾x8¾ 2¾x8¾ 2¾x8¾ 12 x3¼	Escutcheon Fescutcheon Escutcheon Escutcheon Fescutcheon Fescutcheon For sliding do Door knob, Model "C" sp Door knob, Model "C" sp Turn knob on plate, 3/16 ir Turn knob on plate, 7/32 ir Key escutcheon Push button Letter box plate—Openin Letter box plate x back p Letter box plate x hood Push plate Push plate Push plate	or locks bindle mounting bindle mounting ach spindle on diamond ach flat spindle
167455 167456 167458 167649 A 167649 167653 167655 167656 167658 167527 167546 167031	16 x4 18 x3½ 20 x4 12 x3¼ 12 x4 15 x3½ 16 x4 18 x3½ 20 x4 13¼x6¾ 13¼x6¾ 2¾	Push plate Push plate Push plate Push plate Door pull x No. 140 grip Door pull x No. 140 grip Door pull x No. 142 grip Door pull x No. 143 grip Door pull x No. 144 grip Door pull x No. 145 grip Bar sash lift Flush sash lift Lever handle, Model "C"	Refer to Page No. 484

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

TOURS DESIGN SYMBOL 168

CAST BRONZE OR BRASS FRENCH RENAISSANCE PERIOD



No. 1680021/4 x168005



No. 1680021/4x168103



No. 168102

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

N. I	Description	Loc	k	Knobs	Escutcheons	
Number	Description	Number	Page	KIIODS	Outside	Inside
168220 168210 168230 L168421 168831 168833 168853 168873 168877 168987 168977 †168340 †168340V †168340V †168890 †168890V †168890 †168532 168533	Latch Latch Latch French door Inside door Inside door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Sliding door, single Slic'ing door, double	220 210 230 421 831 833 853 873 877 987 973 827 977 340 340V 890 890V 990 532 533	288 289 289 298 302 302 303 304 309 309 310 307 308 320 321 324 325 328 370 370	168002 1/4 168002 1/4 2—168031 Levers 168002 1/4	168103 168103 168103 168101 168103 168103 168103 168103 168103x22 168103 168103x22 168005 168005 168005 168005 168005 168004 168102 168102	168103 168103 168103 168103 168103 168103 168103 168103x22 168103x22 168103x22 168103x22 168103x22 168103x22 168103x23 168103 168103x23 168103 168103x23

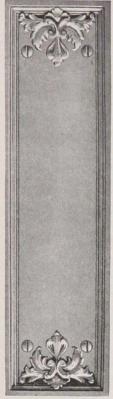
Packed each in a box, complete with screws.

For entrance handle sets, refer to Page No. 271.

†Specify thickness of door.

TOURS DESIGN SYMBOL 168

CAST BRONZE OR BRASS FRENCH RENAISSANCE PERIOD



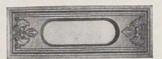
No. 168447



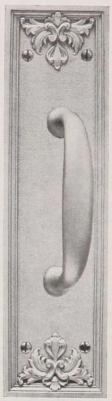
No. 168390



No. 168507



No. 168546



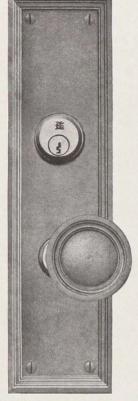
No. 168647

Number	Size, Inches	Description
168101 168103 168004 168005 168102 168002 1/4 168002 1/2 168023 168507 168390 168450 168451 168452 168447 168456 168458 168647 168656 168658 168527 168546 168546 168031	5½x1¼ 7½x2½ 8½x3 11 x3 7½x2½ 2¼ 2½ 2½ 2½ 25%x1¼ 25%x1¼ 25%x1¼ 25%x1¼ 3¼x1½ 2½x7½ 2½x7½ 11 x3 18 x3½ 20 x4 11 x3 18 x3½ 20 x4 1½x5¾ 1½x5¾ 1½x3¼ 2¾x5¾	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Turn knob on plate, ½ inch spindle on diamond Turn knob on plate, ½ inch flat spindle Key escutcheon Push button Letter box plate—opening ½"x4" Letter box plate x back plate Letter box plate x hood Push plate Push plate Push plate Push plate Door pull x No. 140 Grip. Refer to Page No. 484 Door pull x No. 144 Grip. Refer to Page No. 484 Bar sash lift Flush sash lift Lever handle, Model "C" spindle mounting Refer to No. 31C, Page No. 424

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

QUINCY DESIGN SYMBOL 169

CAST BRONZE OR BRASS
COLONIAL PERIOD



No. 1690021/4x169005



No. 1690021/x169103



No. 169102

CAST BRONZE AND BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Loc	k	Knobs	Escutcheons	
Number	Description	Number	Page	KHODS	Outside	Inside
169220 169210 169230 L169421 169831 169833 169873 169877 169977 169977 †169340 †169340V †169340V †169890V †169890V †169990 169532 169533	Latch Latch Latch Latch French door Inside door Sathroom door Communicating door Bath or Bedroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Sliding door, single Sliding door, double	220 210 230 421 831 833 853 873 877 987 973 827 977 340 340V 890 890V 990 532 533	288 289 289 298 302 303 304 309 309 310 307 308 320 321 324 325 328 370 370	169002 1/4 169002 1/4 2—169031 Levers 169002 1/4	169103 169103 169101 169103 169103 169103 169103 169103x22 169103 169103x22 169005 169005 169005 169005 169005 169004 169102	169103 169103 169101 169103 169103 169103 169103 2169103x22 169103x22 169103x22 169103x22 169103x22 169103x23 169103 169103 169103 169103

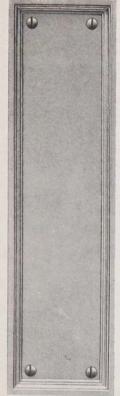
Packed each set in a box, complete with screws.

For entrance handle sets, refer to Page No. 270.

†Specify thickness of door.

QUINCY DESIGN SYMBOL 169

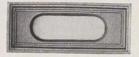
CAST BRONZE OR BRASS COLONIAL PERIOD



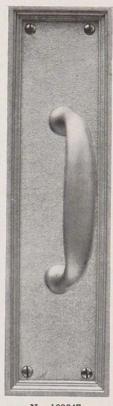








No. 169546



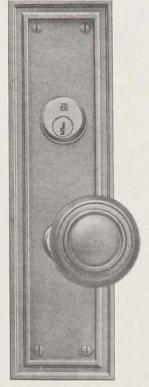
No. 169647

Number	Size, Inches	Description
169101 169103 169004 169005 169102 169002 1/4 169002 1/2 169022 169022 169023 169507 169390 169450 169451 169452 169447 169456 169458 169647 169656 169658 169658 169527 169546 169031	5½x1¼ 7½x2½ 8½x3 11 x3 7½x2½ 2½ 2½ 2½ 2½ 2½x2½ 2½x2½ 2½x2½ 2½x2½ 2½x7 2½x7	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Cylinder plate Knob rose Turn knob on plate, 3/6 inch spindle on diamond Turn knob on plate, 7/32 inch flat spindle Key escutcheon Push button Letter box plate—opening 1"x43/4" Letter box plate x back plate Letter box plate x hood Push plate Push plate Push plate Push plate Door pull x No. 144 Grip. Refer to Page No. 484 Door pull x No. 145 Grip. Refer to Page No. 484 Bar sash lift Flush sash lift Lever handle, Model "C" spindle mounting Refer to No. 31C, Page No. 424

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

MILTON DESIGN SYMBOL 170

CAST BRONZE OR BRASS



No. 1700021/4 x170005



No. 1700021/4x170103



No. 170102

CAST BRASS AND BRONZE LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Loc	k	Knobs	Escutcheons	
Number Description	Number	Page	Miobs	Outside	Inside	
170220 170210 170230 L170421 170831 170833 170853 170877 170987 170977 170977 †170340 †170340V †170890 †170890V †170990 170532 170533	Latch Latch Latch Trench door Inside door Sathroom door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Sliding door, single Sliding door, double	220 210 230 421 831 833 853 877 987 973 827 977 340 340V 890 890V 990 532 533	288 289 289 298 302 302 303 304 309 309 310 307 307 320 321 324 325 328 370 370	170002 1/4 170002 1/4 170002 1/4 2—170031 Levers 170002 1/4 170002	170103 170103 170103 170101 170103 170103 170103 170103 170103x22 170103 170103x22 170005 170005 170005 170005 170005 170005 170004 170102 170102	170103 170103 170103 170101 170103 170103 170103 170103x22 170103x22 170103x22 170103x22 170103x22 170103x23 170103x23 170103x23 170103 170103 170103 170103

Packed each set in a box, complete with screws.

For entrance handle sets, refer to Page No. 271.

†Specify thickness of door.

MILTON DESIGN SYMBOL 170

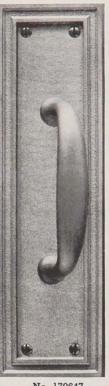
CAST BRONZE OR BRASS COLONIAL PERIOD











No. 170647

Number	Size, Inches	Description
170101	57/8x1 1/8	Escutcheon
170103	7 x23/4	Escutcheon
170004	8½x3	Escutcheon
170005	10½x3	Escutcheon
170102	7 x23/4	Escutcheon for sliding door locks
170002 1/4	21/4	Door knob, Model "C" spindle mounting
1700021/2	2½ 2½	Door knob, Model "C" spindle mounting
170022	2 x1 1/8	Turn knob on plate, 3/6 inch spindle on diamond
170023	2 xl ½ 2 xl ½ 2 xl ½ 2 xl ½	Turn knob on plate, $\frac{7}{32}$ inch flat spindle
170507	2 x1 1/8	Key escutcheon
170390	3½x15/8	Push button
170450	3 x8	Letter box plate—Opening 1"x43/4"
170451	3 x8 3 x11	Letter box plate x back plate
170452	3 x11	Letter box plate x hood
170447	10½x3	Push plate
170456	18 x3½	Push plate
170458	20 x4	Push plate
170647	10½x3	Door pull x No. 144 grip. Refer to Page No. 484
170656	18 x3½	Door pull x No. 142 grip. Refer to Page No. 484
170658	20 x4	Door pull x No. 145 grip. Refer to Page No. 484
170527	1 ½x5¾	Bar sash lift
170546	15/8x31/2	Flush sash lift
170031	23/8	Lever handle, Model "C" spindle mounting
110001	270	Refer to No. 31C, Page No. 424

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

NORWOOD DESIGN SYMBOL 171

CAST BRONZE OR BRASS
GOTHIC PERIOD



No. 1710021/4 x171005



No. 1710021/4x171103

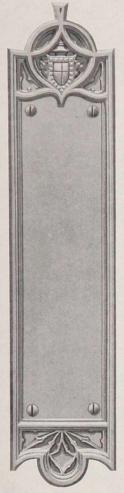
CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Munches	Description	Lock		Knobs	Escutcheons		
Number	Description	Number	Page	KHODS	Outside	Inside	
171220 171210 171230 L171421 171831 171833 171853 171877 171877 171827 171977 †171340 †171340V †171340V †171890 †171890V †171990 171532 171533	Latch Latch Latch French door Inside door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, westibule door Cylinder, vestibule door Cylinder, office door Sliding door, single Sliding door, double		288 289 289 298 302 302 303 304 309 309 307 308 320 321 321 325 328 370 370	171002 ¼ 171002 ¼ 171002 ¼ 2—171031 Levers 171002 ¼ None None	171103 171103 171101 171103 171103 171103 171103 171103 171103x22 171103 171103x22 171105 171005 171005 171005 171005 171005 171005 171105 171105	171103 171103 171101 171103 171103 171103 171103 171103x22 171103x22 171103x22 171103x22 171103x22 171103x23 171103 171103 171103 171103 171103 171103	

Packed each set in a box, complete with screws. For entrance handle sets, refer to Page No. 272. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

NORWOOD DESIGN SYMBOL 171

CAST BRONZE OR BRASS GOTHIC PERIOD



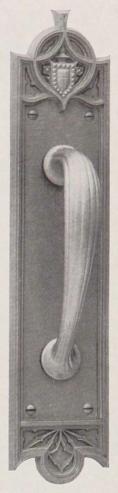
No. 171453 Series



No. 171390



No. 171546



No. 171653 Series

Number	Size, Inches	Description		
171101 171103 171005 171102 171002 1/4 171002 1/2 171390 171450 171451 171452 171453 171456 171458 171653 171656 171658 171658 171527 171546 171031	634x1 1/4 934x2 1/2 14 x3 934x2 1/2 2 1/4 2 2 1/4 2 2 1/2 534x1 1/2 2 1/2 x9 1/4 2 2 1/2 x9 1/4 14 x3 18 x3 21 1/2 x3 3/4 14 x3 18 x3 3/2 21 1/2 x3 3/4 1 1/4 x5 5/8 1 1/2 x4 1/2 2 3/8	Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Push button Letter box plate—Opening 78"x4" Letter box plate x back plate Letter box plate x hood Push plate Push plate Push plate Push plate Push plate Door pull x No. 130 Grip. Refer to Page No. 484 Door pull x No. 133 Grip. Refer to Page No. 484 Door pull x No. 133 Grip. Refer to Page No. 484 Bar sash lift Flush sash lift Lever handle, Model "C" spindle mounting Refer to No. 31C, Page No. 424		

For escutcheons with thumb turns, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

BELVIEW DESIGN SYMBOL 172

COLONIAL PERIOD CAST BRONZE



No. 172025



No. 172008½ No. 172010½ No. 172012½



No. 1725071/2



No. 172546



No. 1720021/4 x 172013



No. 1721013/4 x 17210



No. 172507



No. 172390



No. 172031 x 172010

Number	Size, Inches	Description
172102 172001 3/4 172002 3/4 172002 3/2 172025 172010 172011 172013 172014 172031 172022 172023 172507 3/2 172507 172507D 172507D 172390 172449 172189 172649 172189 172527 172546 172008 3/2 172010 3/2 172010 3/2	5½x2½ 1¾ 2½ 2¼ 2¼ 1½ 1¾ 2¼ 1½ 1¾ 1½ 1¼ 1½ 2½ 2½ 2½ 2½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½	Escutcheon for sliding door locks Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Cylinder plate Knob rose Knob rose Knob rose Knob rose Lever handle, Model "C" spindle mounting Turn knob on plate, 3/16 inch spindle on diamond Turn knob on plate, 7/32 inch flat spindle Key escutcheon Key escutcheon Key escutcheon Key escutcheon, with drop Push button Push plate Door pull x No. 120 Grip. Refer to Page No. 484 Door knocker Bar sash lift Flush sash lift Drawer knob Drawer knob Drawer knob

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Lock		Trim			
ramor	2 door place	Number	Page	Knobs	Roses	Plates	
172220 172421 172831 172833 172827 172977 †172340 †172340V 172532 172533	Latch. French door. Inside door. Inside door. Bathroom door. Communicating door. Cylinder, front door. Cylinder, vestibule door. Sliding door, single. Sliding door, double.	827 977 340 340V 532	288 298 302 302 307 308 320 321 370 370	172002 ¼ 172001 ⅓ x 172031 172002 ¼ 172002 ¼ 172002 ¼ 172002 ¼ 172002 ¼ 172002 ¼ None	172013B 172010B 172013B 172013B 172013B 172013B 172013B None None	None 172507 172507 172507 172507x172022 172022 170225x172022 172025 172102	

Packed each set in a box, complete with screws. †Specify thickness of door. For entrance handle sets, refer to Page No. 250. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

DOVER DESIGN SYMBOL 173

CAST BRONZE OR BRASS



No. 173025



No. 173546



No. 173507D



No. 1730021/2x173013



No. 173102



No. 173507

Number	Size, Inches	Description
173102 173002 ¹ / ₄ 173002 ¹ / ₂ 173025 173012 173013 173022 173023 173507 173507D 173507D 173390 173010 ¹ / ₂ 173031	23/4 21/4 21/4 21/2 21/2 21/8 25/16 11/4 11/4 11/4 11/4 2 11/4 23/8	Escutcheon for sliding door locks Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Cylinder plate Knob rose Knob rose Turn knob on plate, 3/16 inch spindle on diamond Turn knob on plate, 7/22 inch flat spindle Key escutcheon Key escutcheon with drop Push button Drawer knob Lever handle, Model "C" spindle mounting Refer to No. 31C, Page No. 424

Concealed screw roses can be furnished at additional price. Refer to Page No. 433. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

			the state of the s				
Number	Description	Lock		Trim			
		Number	Page	Knobs	Roses	Plates	
173220 L173421 173831 173833 173827 173977 †173340 †173340V 173532 173533	Latch French door Inside door Inside door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Sliding door, single Sliding door, double	831 833 827 977 340 340V 0532	288 298 302 302 307 308 320 321 370 370	173002 ½ 173002 ½ 173002 ½ 173002 ½ 173002 ½ 173002 ½ 173002 ½ 173002 ½ 173002 ½ 173002 ½ None None	173012 173012 173012 173012 173012 173012 173013 173013 None None	None 173507 173507 173507 173507x173022 173022 173025x173022 173025 173102 173102	

Packed each set in a box, complete with screws.

[†]Specify thickness of door.

For entrance handle sets, refer to Page No. 251.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

YORK DESIGN SYMBOL 174

COLONIAL PERIOD CAST BRONZE OR BRASS



No. 174025



No. 1740101/2



No. 1745071/2



No. 174507



No. 174390



No. 1740021/4 x 174012



No. 174617

No. 174618



No. 174102



No. 174031 x 174012



No. 174647

Number	Size, Inches	Description			
174102	31/8	Escutcheon for sliding door locks			
174002 1/4	2 ½ 2 ½	Door knob, Model "C" spindle mounting			
174002 1/2	21/2	Door knob, Model "C" spindle mounting			
174025	2½	Cylinder plate			
174012	21/8	Knob rose			
174031	31/4	Lever handle, Model "C" spindle mounting			
174022	2/8 3 1/4 1 3/8	Turn knob on plate, 3/16 inch spindle on diamond			
174023	13/8	Turn knob on plate, 7/32 inch spindle, flat			
174507	13/8	Key escutcheon			
174507 ½	1 1/8	Key escutcheon			
174390	2/0	Push button			
174647	9½x2	Door pull x No. 142 Grip. Refer to Page No. 484			
174618	1 ½xx3 7/8	Drop handle drawer pull			
174617	1 1/8	Drop ring drawer pull			
1740101/2		Drawer knob			
174010 1/2	1 1/4	Drawer knob			

For entrance handle sets, refer to Page No. 251. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Lock		Trim			
		Number	Page	Knobs	Roses	Plates	
174220 L174421 174801 174831 174833 174853 174873 174827 174977 †174340 †174340V 174532 174533	Latch French door Inside door Inside door Inside door Inside door Inside door Inside door Communicating door Cylinder, front door Sliding door, single Sliding door, double	827 977 340 340V 532	288 298 301 302 303 304 307 308 320 321 370 370	174002 ¼ 2—174031 Levers 174002 ¼ 174002 ¼ 174002 ¼ 174002 ¼ 174002 ¼ 174002 ¼ 174002 ¼ 174002 ¼ 174002 ¼ 174002 ¼ None None	174012 174012 174012 174012 174012 174012 174012 174012 174012 174012 None None	None 174507 174507 174507 174507 174507 174507 174507 174507 174022 174025 174025 174102 174102	

Packed each set in a box, complete with screws. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

[FUTURE DESIGNS]

LARISSA DESIGN SYMBOL 177

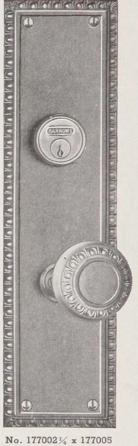
GREEK PERIOD CAST BRONZE OR BRASS



No. 177102



No. 1770021/4 x 177103



CAST BRONZE AND BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Loc	k	Knobs	Escuto	cheons
Number	Description	Number	Page	111000	Outside	Inside
177220 177210 177230 L177421 177831 177833 177853 177873 177877 177977 177973 177827 177977 †177340 †177340V †177890 †177890V †177890 177532 177533	Latch Latch Latch French door Inside door Inside door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bath or bedroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Sliding door, single Sliding door, double	220 210 230 421 831 833 853 873 877 987 973 827 977 340 340V 890 890V 990 532 533	288 289 289 298 302 302 303 304 309 309 310 307 308 320 321 324 325 328 370 370	177002 ¼ 177002 ¼ 177002 ¼ 2—177031 Levers 177002 ¼ None None	177103 177103 177101 177103 177103 177103 177103 177103 177103 177103x22 177103 177103x22 177005 177005 177005 177005 177005 177005 177005	177103 177103 177101 177103 177103 177103 177103 177103x22 177103x22 177103x22 177103x22 177103x22 177103x23 177103 177103 177103 177103 177103

Packed each set in a box, complete with screws.

†Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

LARISSA DESIGN SYMBOL 177

GREEK PERIOD
CAST BRONZE OR BRASS



No. 177449 Series



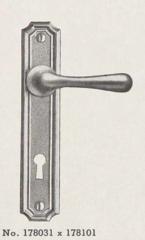
No. 177649 Series

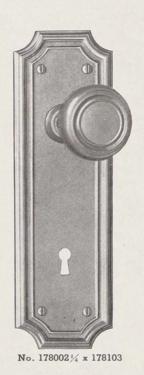
Number	Size, Inches	Description
177100 177101 177103 177004 177005 177102 177001 3/4 177002 1/4 177002 1/2 177023 177023 177507 177390 177449 177454 177458 177459 177654 177658 177659 177659 177527 177546	4½x1¼ 6 x1½ 6 x1½ 6 x1½ 8½x2¼ 8½x2½ 12 x3½ 6¾x2½ 13¼ 2½ 2½ 2¼x1¼ 2¼x1¼ 3½x1¼ 3½x1¼ 3½x1¼ 3½x1½ 20 x3½ 20 x4 12 x3½ 20 x4 12 x3½ 20 x4 15xx5¼ 15xx5¼ 15xx5¼ 15xx5¼	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Fscutcheon For knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Turn knob on plate, % inch spindle on diamond Turn knob on plate, % inch flat spindle Key escutcheon Push button Push plate Door pull x No. 140 Grip. Refer to Page No. 484 Door pull x No. 145 Grip. Refer to Page No. 484 Door pull x No. 145 Grip. Refer to Page No. 484 Bar sash lift Flush sash lift

For escutcheons with turn knobs, suffix "x No. 22" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

STOCKBRIDGE DESIGN SYMBOL 178

COLONIAL PERIOD CAST BRONZE OR BRASS







No. 178002 1/4 x 178005

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Loc	k	Knobs	Escuto	cheons
rumber	Description	Number	Page	MIODS	Outside	Inside
178220 178210 178230 178421 178831 178833 178853 178873 178877 178973 178977 †178340 †178340V †178890 †178890V †178990 178532 178533	Latch Latch Latch French door Inside door Sathroom door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Sliding door, single Sliding door, double	220 210 230 421 831 833 853 877 987 973 827 977 340 340V 890 890V 990 532 533	288 289 289 298 302 302 303 304 309 310 307 308 320 321 324 325 328 370 370	178002 1/4 178002 1/4 178002 1/4 178001 3/4 x 178031 Lever 178002 1/4 178000 1/4	178103 178103 178103 178101 178103 178103 178103 178103 178103 178103 178103 178103 178005 178005 178005 178005 178005 178005 178005 178004 178102 178102	178103 178103 178103 178101 178103 178103 178103 178103x22 178103x22 178103x22 178103x22 178103x22 178103x22 178103x23 178103 178103 178103 178103 178103 178103

Packed each set in a box, complete with screws.

†Specify thickness of door.

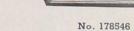
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

For entrance handle sets, refer to Page Nos. 255 and 270.

STOCKBRIDGE DESIGN SYMBOL 178

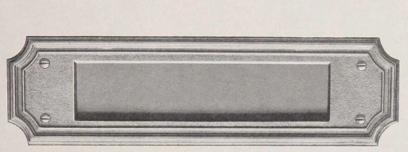
COLONIAL PERIOD CAST BRONZE OR BRASS







No. 178527



No. 178450-1784503/4 Series







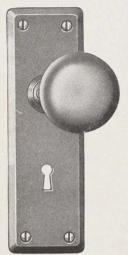
No. 178647 Series

Number	Size, Inches	Description
178100 178101 178103 178004 178005 178102 178001 3/4 178002 1/2 178025 178012 178022 178023 178023 17807 178390 178450 178451 178452 178453 178453 178453 178453 178453 178453 178456	434x134 534x146 7 x2½ 9 x2¾ 11 x3 7 x2½ 134 2½ 2½ 2½ 2½ 2½ 2½ 2½ 2½ 2½ 2½ 2½ 2½ 2½	Escutcheon Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Cylinder plate Knob rose Turn knob on plate, 3/6 inch spindle on diamond Turn knob on plate, 7/2 inch flat spindle Key escutcheon Push button Letter box plate—opening 1"x43/4" Letter box plate x back plate 1"x43/4" Letter box plate x hood 1"x43/4" Letter box plate - Opening 1 ½"x7". Gov't standard opening Letter box plate x back plate. Gov't standard opening Letter box plate x hood. Gov't standard opening Push plate Push plate Push plate
178458 178647 178653 178656 178658 178527 178546 178031	20 x4 11 x3 15 x3 18 x3½ 20 x4 1½x5¾ 1½x3¾ 23%	Push plate Door pull x No. 140 Grip. Refer to Page No. 484 Door pull x No. 142 Grip. Refer to Page No. 484 Door pull x No. 144 Grip. Refer to Page No. 484 Door pull x No. 145 Grip. Refer to Page No. 484 Bar sash lift Flush sash lift Lever handle, Model "C" spindle mounting

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

NEWTON DESIGN SYMBOL 180

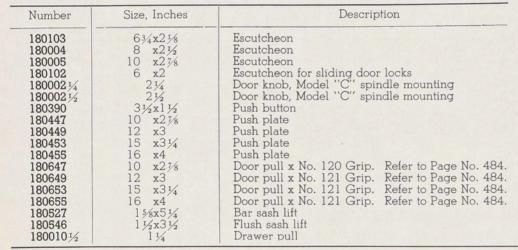
CAST BRONZE OR BRASS

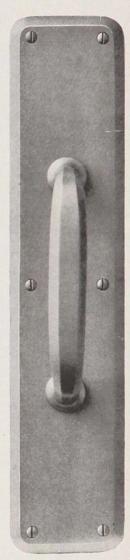


No. 1800021/4 x 180103



No. 1800021/4 x 180005





No. 180647 Series

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

	OHDI DICONEL ON I	0110110	With intoder o opinione m	ouritings		
Number	Description	Lock		Knobs	Escutcheons	
Number	Description	Number	Page	Anobs	Outside	Inside
180220 180831 180827 180977 †180340 †180340V †180890 †180890V †180990	Latch Inside door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, front door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door	220 831 827 977 340 340V 890 890V 990	288 302 307 308 320 321 324 325 328	180002 1/4 180002 1/4 180002 1/4 180002 1/4 180002 1/4 180002 1/4 180002 1/4 180002 1/4	180103 180103 180103 180103x22 180005 180005 180005 180005 180004	180103 180103x22 180103x22 180103x22 180103x22 180103 180103x23 180103 180004

†Specify thickness of door. Packed each set in a box, complete with screws. For entrance handle sets, refer to Page No. 267. Specify Number and Finish. Refer to Page No. 36 for description of finishes. Newton design is the same as Kent, except is much heavier and has a flanged edge.

BANGOR DESIGN SYMBOL 181

COLONIAL PERIOD CAST BRONZE OR BRASS



No. 181507



No. 181025



No. 1810101/2



No. 181022





No. 18100134 x 181011 Type No. 181002 x 181012

Number	Size, Inches	Description
18100134 181002 181025 *181011F *181012F 181022 181023 181390 181507 1810101/2	13/4 2 2 15/8 2 17/8x3/4 17/8x3/4 15/8 17/8x3/4 11/4	Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Cylinder plate Knob rose Knob rose Turn knob on plate, 3/16 inch spindle on diamond Turn knob on plate, 7/22 inch flat spindle Push button Key escutcheon Drawer knob

^{*}Concealed screw roses can be furnished at additional price. Refer to Page No. 433. Specify Number and Finishes. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

NI 1	D	Lock		Trim		
Number	Description	Number	Page	Knobs	Roses	Plates
181220 181831 181833 181827 181977 †181340 †181340 V	Latch. Inside door. Inside door. Bathroom door. Communicating door. Cylinder, front door. Cylinder, vestibule door.		289 302 302 307 308 320 321	1810013/4 1810013/4 1810013/4 1810013/4 1810013/4 1810013/4	181011 181011 181011 181011 181011 181011	None 181507 181507 181507x181022 181022 181025x181022 181025

Packed each set in a box, complete with screws.

If No. 180002x180012 knob and rose is wanted, prefix Symbol "B" to lockset number.

If No. $180002\frac{1}{4}$ x180012 knob and rose is wanted, prefix Symbol "C" to lockset number.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

†Specify thickness of door.

WINGATE DESIGN SYMBOL 182

COLONIAL PERIOD CAST BRONZE OR BRASS









No. 182507

No. 1820101/2

No. 18202 No. 18202





No. 18200134 x 182011 No. 182002 x 182011

Number	Size, Inches	Description
18200134 182002 182025 *182011F 182012F 182022 182023 182390 182507 1820101/2	1 3/4 2 2 1 5/8 2 1 7/8×3/4 1 7/8×3/4 1 7/8×3/4 1 7/8×3/4 1 7/8×3/4 1 7/8×3/4 1 7/8×3/4	Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Cylinder plate Knob rose Rose Turn knob on plate, 3/6 inch spindle on diamond Turn knob on plate, 7/2 inch flat spindle Push button Key escutcheon Drawer knob

^{*}Concealed screw roses furnished at additional price. Refer to Page No. 433. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Lock		Trim		
Number	er Description	Number	Page	Knobs	Roses	Plates
182220 182831 182833 182827 182977 †182340 †182340V	Latch Inside door Inside door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	833 827 977 340	288 302 302 307 308 320 321	1820013/4 1820013/4 1820013/4 1820013/4 1820013/4 1820013/4	182011 182011 182011 182011 182011 182011	None 182507 182507 182507x182022 182022 182025x182022

Packed each set in a box, complete with screws.

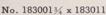
If No. 180002x182012 knob and rose is wanted, prefix Symbol "B" to lockset number.

†Specify thickness of door.

ARLINGTON BRONZE SYMBOL 183

COLONIAL PERIOD CAST BRONZE OR BRASS







No. 183507



No. 1830101/2



No. 183025



0. 183002 x 183011

No. 183002 x 183011 No. 183002 ½ x 183012 No. 183003 x 183012

Number	Size, Inches	Description
183001 3/4 183002 183002 1/2 183003 183025 183025D *183011F *183012F 183022 183023 183390 183507 183010 1/2	13/4 2 21/2 3 22/2 3 2 2 15/8 2 17/8×3/4 17/8×3/4 17/8×3/4 17/8×3/4	Door knob, Model "C" spindle mounting Cylinder plate Cylinder plate with drop Knob rose Knob rose Turn knob on plate, 3/6 inch spindle on diamond Turn knob on plate, 1/22 inch flat spindle Push button Key escutcheon Drawer knob

^{*}Concealed screw roses furnished at additional price. Refer to Page No. 433. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

N. 1	December		Lock		Trim		
Number	Description	Number	Page	Knobs	Roses	Plates	
A183220 B183220 A183831 B183831 A183833 B183833 A183827 B183827 A183977 B183977 †B183340 †B183340V	Latch Latch Inside door Inside door Inside door Inside door Inside door Bathroom door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door		288 288 302 302 302 307 307 307 308 308 320 321	183001 3/4 183002 183001 3/4 183002 183001 3/4 183002 183001 3/4 183002 183001 3/4 183002 183002 183002	183011 183011 183011 183011 183011 183011 183011 183011 183011 183011	None None 183507 183507 183507 183507 183507x183022 183507x183022 183022 183022 183025x183022 183025x183022	

Packed each set in a box, complete with screws.

If No. 183002 $\frac{1}{2}$ x180012 is wanted, change Symbol "B" to "C".

If No. 183003 x180012 is wanted, change Symbol "B" to "D".

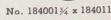
†Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

HANLEY DESIGN SYMBOL 184

COLONIAL PERIOD
CAST BRONZE OR BRASS











No. 184002 x 184011 No. 184002½ x 184012







No. 184022 No. 184023



No. 1840101/2

Number	Size, Inches	Description
184001 3/4 184002 1/2 184002 1/2 184025 *184011F *184012F 184022 184023 184507 184010 1/2	$ \begin{array}{c} 1 \frac{3}{4} \\ 2 \\ 2 \frac{1}{2} \\ 2 \\ 1 \frac{5}{8} \\ 2 \\ 1 \frac{7}{8} \times \frac{3}{4} \\ 1 \frac{7}{8} \times \frac{3}{4} \\ 1 \frac{7}{4} \\ 1 \frac{1}{4} \end{array} $	Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Cylinder plate Knob rose Knob rose Turn knob on plate, 3/6 inch spindle on diamond Turn knob on plate, 7/32 inch flat spindle Key escutcheon Drawer knob

^{*}Concealed screw roses furnished at additional price. Refer to Page No. 433. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Lock		Trim		
number	Description	Number	Page	Knobs	Roses	Plates
A184220 B184220 A184831 B184833 A184833 A184827 B184827 A184977 B184977 †B184340 †B184340V	Latch Latch Inside door Inside door Inside door Inside door Inside door Bathroom door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	833 827 827 977 977	288 288 302 302 302 302 307 307 307 308 308 340 340	184001 3/4 184002 184001 3/4 184002 184001 3/4 184002 184001 3/4 184002 184002 184002 184002	184011 184011 184011 184011 184011 184011 184011 184011 184011	None None 184507 184507 184507 184507 184507x184022 184507x184022 184022 184022 184025x184022 184025x184022

Packed each set in a box, complete with screws.

If No. 1840021/x184012 is wanted, change Symbol "B" to "F".

†Specify thickness of door.

[FUTURE DESIGNS]

WAKEFIELD DESIGN SYMBOL 185

TUDOR GOTHIC PERIOD CAST BRONZE OR BRASS



No. 185102



No. 1850021/4 x 185103





No. 1850021/4 x 185005

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description Lock Knobs		Knobs	Escutcheons		
Number	Number Page	MIODS	Outside	Inside		
185220 185210 185230 185831 185833 185853 185873 185877 185987 185977 †185340 †185340V †185340V †185990 †185890V †185990	Latch. Latch. Latch. Inside door Inside door Inside door Inside door Inside door Inside door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Sliding door, single Sliding door, double	220 210 230 831 833 853 873 877 987 827 977 340 340V 890 890V 990 532	288 289 289 302 302 303 304 309 310 308 320 321 324 325 328 370 370	185002 1/4 185002 1/4	185103 185103 185103 185103 185103 185103 185103 185103x22 185103x22 185005 185005 185005 185005 185005 185004 185102 185102	185103 185103 185103 185103 185103 185103 185103x22 185103x22 185103x22 185103x22 185103x22 185103x23 185103 185103 185103 185103

Packed each set in a box, complete with screws. For entrance handle sets, refer to Page No. 272. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WAKFIELD DESIGN SYMBOL 185

TUDOR GOTHIC PERIOD CAST BRONZE OR BRASS



No. 185546



No. 185390



No. 1850021/4 x 185012

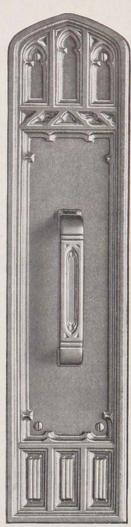


No. 185527



No. 185507





No. 185649 Series

Number	Size, Inches	Description
185100 185101 185103 185004 185005 185102 185002 185002 185002 185002 185023 185023 185507 185390 *185450 *185451 *185452 *185451 *185452 *185453 185456 185453 185456 185458 185459 185649 185653 185656 185658 185659 185657 185546	4 ¼x1 5% 6 x1 5% 8 ¼x2 ¾ 10 x3 12 x3 8 ¼x2 ¾ 2 ½ 2 ½ 2 ½ 2 ½ 2 ½ 2 ½ 2 ½ 2 ½ 2 ½ 2 ½	Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon Escutcheon for sliding door locks Door knob, Model 'C' spindle mounting Door knob, Model 'C' spindle mounting Knob rose—Round Turn knob on plate, 3/6 inch spindle on diamond Turn knob on plate 7/2 inch flat spindle Key escutcheon Push button Letter box plate—opening l 1/8"x478" Letter box plate x back plate Letter box plate x hood Letter box plate x hood Letter box plate x back plate. Gov't standard opening Letter box plate x back plate. Gov't standard opening Letter box plate x hood. Gov't standard opening Push plate Push

^{*}All letter box plates are placed on hinge side of door in vertical position. For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

BORDEAUX DESIGN SYMBOL 186

CAST BRONZE OR BRASS EMPIRE PERIOD



No. 186025



No. 1860021/4 x 186012



No. 1860021/4 x 186012



No. 186507

Number	Size, Inches	Description
186002 ¹ / ₄ 186025 186012 186022 186023 186507 186390 186010 ¹ / ₂	2 1/4 25/16 2 1 3/4 x 1 3/16 1 3/4 x 1 3/16 1 3/4 x 1 3/16 2 1 1/4	Door knob, Model "C" spindle mounting Cylinder plate Knob rose Turn knob on plate, 3/16 inch spindle on diamond Turn knob on plate, 7/32 inch flat spindle Key escutcheon Push button Drawer knob

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Set	Description	Lock		Trim			
Number	Description	Number	Page	Knobs	Roses	Plates	
186220 186831 186833 186827 186977 †186340 †186340V	Latch Inside door Inside door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	833 827 977 340	288 302 302 307 308 320 321	186002 ¼ 186002 ¼ 186002 ¼ 186002 ¼ 186002 ¼ 186002 ¼ 186002 ¼	186012 186012 186012 186012 186012 186012	None 186507 186507 186507x186022 186022 186025x186022 186025	

Packed each set in a box, complete with screws.

†Specify thickness of door.

LUNBURG DESIGN SYMBOL 187

CAST BRONZE OR BRASS GERMAN RENAISSANCE PERIOD



No. 187025



No. 187002 x 187011 No. 187002 x 187011



No. 0215 x 187011



No. 187390



No. 187507

Number	Size, Inches	Description
187002 187002 1/4 0215 187025 187011 187022 187023 187507 187390	2 2 1/4 2 3 1/4 × 2 1/4 2 3/4 × 1 5/8 2 3/8 × 1 5/6 2 3/8 × 1 5/6 2 3/4 × 1 5/8	Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Door knob, glass. Refer to Page No. 422. Cylinder plate Knob rose Turn knob on plate, 3/6 inch spindle on diamond Turn knob on plate, 7/32 inch flat spindle Key escutcheon Push button

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Cat	Description	Lock		Trim			
Set Number	Description	Number	Page	Knobs	Roses	Plates	
187220 RF187220 187831 RF187831 187827 RF187827 187977 †187340 †187340V	Latch. Latch. Inside door Inside door Bathroom door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	220 220 831 831 827 827 977 340 340	288 288 302 302 307 307 308 320 321	187002 0215 187002 0215 187002 0215 187002 187002 187002	187011 187011 187011 187011 187011 187011 187011 187011	None None 187507 187507 187507x187022 187507x187022 187022 187025x187022 187025	

Packed each set in a box, complete with screws.

If other types or sizes of glass knobs are wanted change Symbol "RF" to type wanted and prefix the size symbol to the type symbol. Refer to Page No. 422.

†Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CHESTER DESIGN SYMBOL 188

CAST BRONZE, BRASS OR CAST IRON COLONIAL PERIOD



No. 188025 No. P188025



No. 188002 x 188012 No. P188002 x P188012



No. 188022 No. P188022 No. 188023 No. P188023



No. 188507 No. P188507

Number		Size, Inches	Description		
Bronze	Steel	Size, inches	Description		
188002 188025 188012 188022 188023 188507	P188002 P188025 P188012 P188022 P188023 P188507	2 2 2 17/6x11/6 17/6x11/6	Door knob, Model ''C'' spindle mounting Cylinder plate Knob rose Turn knob on plate, ¾6 inch spindle on diamond Turn knob on plate, ¾2 inch flat spindle Key plate		

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE AND BRASS LOCKSETS—With Model "C" Spindle Mountings

Set	Description	Loc	Lock		Trim			
Number	Bosomption	Number	Page	Knobs	Roses	Plates		
188200 188801 188831 188827 188977 †188340 †188340V	Latch . Inside door Inside door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	977 340	287 301 302 307 308 320 321	188002 188002 188002 188002 188002 188002 188002	188012 188012 188012 188012 188012 188012 188012	None 188507 188507 188507x188022 188022 188025x188022 188025		

[†]Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST IRON LOCKSETS—With Model "C" Spindle Mountings

P188P200 P188200 P188601 P188801 P188637 P188827 P188977	Latch Latch Inside door Inside door Bathroom door Bathroom door Communicating door	*200 P601 *801 P637 *827	287 287 301 301 307 307 308	P188002 P188002 P188002 P188002 P188002 P188002 P188002	P188012 P188012 P188012 P188012 P188012 P188012	None None P188507 P188507 P188507xP188022 P188507xP188022 P188022
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^{*}Bronze face locks.

Packed each set in a box, complete with screws.

Standard finishes—HD91 and HD21, specify finish.

NULINE DESIGN SYMBOL 190

CAST BRONZE OR BRASS CONTEMPORARY PERIOD





No. 190010½ No. 190010¾



No. 190025



No. 190002 x 190012



No. 190507

Number	Size, Inches	Description
190002 190002 3/4 190025 190025D 190390 190012 190022 190023 190507 190009 1/2 190010 1/2 190012 1/2 190014 1/2	2 ½8 2 ¾4 2 ¼4 1 ½8 2 xl ½8 2 xl ½8 2 xl ½8 1 ½8 1 ½8 1 ¼4 1 ¾4 1 ¾4 1 ¾4	Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Cylinder plate Cylinder plate with drop cover Push button Knob rose, concealed screw Turn knob on plate, 36 inch spindle on diamond Turn knob on plate, 12 inch flat spindle Key escutcheon Drawer knob Drawer knob Drawer knob Drawer knob Drawer knob

Specify Number and Finish. Refer to Page No. 36 for description of finish.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

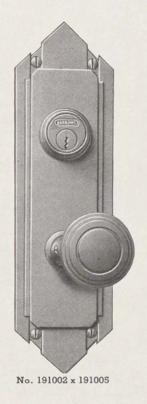
Set	Description	Lock		Trim			
Number	Description	Number	Page	Knobs	Roses	Plates	
190220 190801 190831 190833 190827 190977 190340 190340V 190890 190890V 190378 190990	Latch Inside door Inside door Inside door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Cylinder, office door	340 340V 890 890V	288 301 302 302 307 308 320 321 324 325 327 328	190002 190002 190002 190002 190002 190002 190002 190002 190002 190002 190002	190012 190012 190012 190012 190012 190012 190012 190012 190012 190012 190012	None 190507 190507 190507 190507x190022 190022 190025x190022 190025x190023 190025x190025 190025	

Packed each set in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

NILWOOD DESIGN SYMBOL 191

CAST BRONZE OR BRASS CONTEMPORARY PERIOD





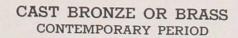
No. 191002 x 191103

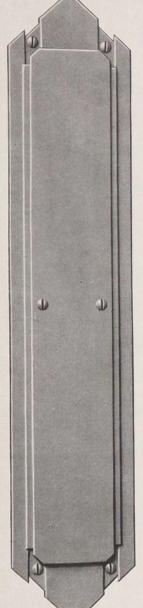
CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Loc	k	Knobs	Escutcheons	
rumber	Description	Number	Page	MIODS	Outside	Inside
191220 191210 191230 191831 191833 191853 191873 191877 191987 191973 191827 191977 †191340 †191340V †191890 †191890V †191990	Latch Latch Latch Inside dcor Inside door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door	220 210 230 831 833 853 877 987 973 827 977 340 340V 890 890V 990	288 289 289 302 302 303 304 309 310 307 308 320 321 324 325 328	191002 191002 191002 191002 191002 191002 191002 191002 191002 191002 191002 191002 191002 191002 191002	191103 191103 191103 191103 191103 191103 191103x22 191103 191103x22 191005 191005 191005 191005	191103 191103 191103 191103 191103 191103 191103x22 191103x22 191103x22 191103x22 191103x22 191103x23 191103 191103

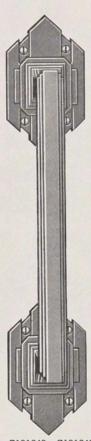
Packed each set in a box, complete with screws. For entrance handle sets, refer to Page Nos. 253 and 273. †Specify thickness of door.

NILWOOD DESIGN SYMBOL 191

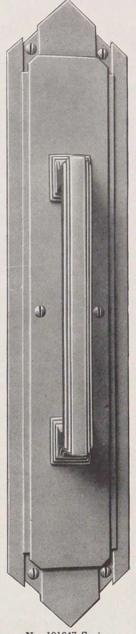








Nos. S191649-S1916491/2 Type of Nos. S191653-S191653 1/2



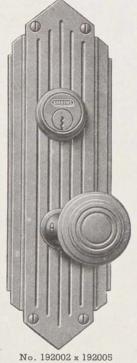
No. 191647 Series

Number	Size, Inches	Description
191103 191005 191002 191390 191450 3/4 191451 3/4 191452 3/4 191447 191456 191647 191656 †S191649 *S191649 1/2 †S191653 *S191653 1/2	7 x2 y4 10 x2 y4 2 3 x2 2 y4x11 y2 2 y4x11 y2 10 x2 y4 18 x3 y2 10 x2 y4 18 x3 y2 10 x2 y4 18 x3 y2 12 y8x2 y4 15 x2 y4 15 x2 y4	Escutcheon Escutcheon Door knob, Model "C" spindle mounting Push button Letter box plate—opening 1½"x7" Gov't standard opening Letter box plate x back plate Letter box plate x hood Push plate Push plate Door pull x 182 Grip. Refer to Page No. 489 Door pull x 183 Grip. Refer to Page No. 489 Sectional door pull—plate 4"x2½" x Grip 182 Sectional door pull—plate 4"x2½" x Grip 182 Sectional door pull—plate 4"x2½" x Grip 183 Sectional door pull—plate 4"x2½" x Grip 183 Sectional door pull—plate 4"x2½" x Grip 183

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. *Door pulls Nos. S191649½ and S191653½ are packed with through bolts. †Door pulls Nos. S191649 and S191653 are packed with wood screws. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

ROSWELL DESIGN SYMBOL 192

CAST BRONZE OR BRASS CONTEMPORARY PERIOD





No. 192002 x 192203



No. 192002 x 192012

CAST BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

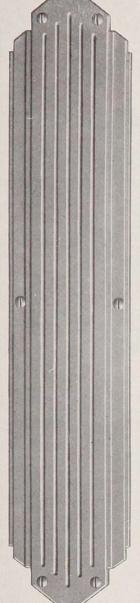
Number	Description	Loc	k	Knobs	Escutcheons		
ramber	Description	Number	Page	THIODS	Outside	Inside	
192220 192210 192230 192831 192833 192853 192877 192987 192997 192997 192997 192340 †192340V †192890 †192890V *\$192890 *\$192890V *\$192890V	Latch Latch Latch Inside door Inside door Inside door Inside door Inside door Inside door Bathroom door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, office door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door Cylinder, vestibule door Sectional Cylinder, office door Sectional Cylinder, office door Sectional	220 210 230 831 833 853 873 877 987 973 827 977 340 340V 890 890V 990 890V	288 289 289 302 302 303 304 309 309 310 307 308 320 321 324 325 328 324 325	192002 192002 192002 192002 192002 192002 192002 192002 192002 192002 192002 192002 192002 192002 192002 192002 192002 192002	192103 192103 192103 192103 192103 192103 192103 192103 192103x22 192103 192103x22 192005 192005 192005 192005 192005 192005 192025x 192012 192025x 192012	192103 192103 192103 192103 192103 192103 192103x22 192103x22 192103x22 192103x22 192103x22 192103x22 192103 192103 192103 192103 192103 192103 192103 192103	

Packed each set in a box, complete with screws. For entrance handle sets, refer to Page Nos. 253 and 273. *Sectional trim is adaptable only to the Heavy Duty line of locks, owing to the required spacing of the trim.

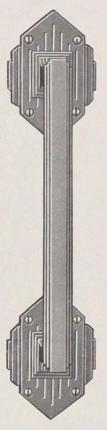
†Specify thickness of door.



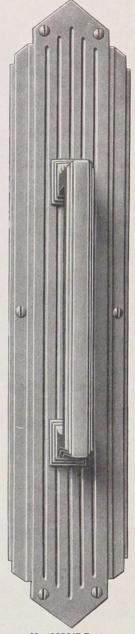
CAST BRONZE OR BRASS CONTEMPORARY PERIOD



No. 192447 Series



Nos. S192649 — S192649 ½ Type Nos. S192653 — S192653 ½

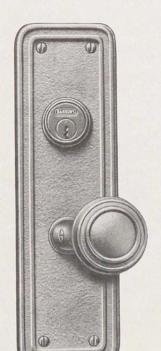


No. 192647 Series

Number	Size, Inches	Description
192103 192005 192002 192025 192012 192022 192023 192390 192450 34 192451 34 192452 34 192456 192647 192656 †\$192649 \$192649 \$192649 \$192649 \$192653	7 x2½ 10 x3 2 35½x2½6 2½x2½8 1¾x1¼ 1¾x1¼ 2½x2½ 10½x3 10½x3 10½x3 10 x3 18 x3½ 10 x3 18 x3½ 11½x25½8 11½x25½8	Escutcheon Escutcheon Door knob, Model "C" spindle mounting Cylinder plate Knob rose Turn knob on plate, 3/16 inch spindle on diamond Turn knob on plate, 7/22 inch flat spindle Push button Letter box plate—Opening 1 1/2"x7", Gov't standard opening Letter box plate x back plate Letter box plate x hood Push plate Push plate Push plate Door pull x No. 182 grip. Refer to Page No. 489 Door pull x No. 183 grip. Refer to Page No. 489 Sectional door pull, plate 33/4"x25/8" x Grip No. 182 Sectional door pull, plate 33/4"x25/8" x Grip No. 182 Sectional door pull, plate 33/4"x25/8" x Grip No. 183
S192653 1/2	145/8x25/8	Sectional door pull, plate 3¾"x25%" x Grip No. 183

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. \dagger Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes. Door pulls Nos. S192647½ and S192649½ are packed with through bolts. Door pulls Nos. S192647 and S192649 are packed with wood screws.

MILLPORT DESIGN SYMBOL 193



No. 193002 1/x 193005

CAST BRONZE OR BRASS COLONIAL PERIOD

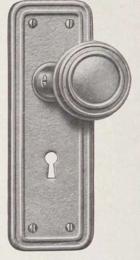


No. 193025



No. 1930021/x193012





No. 1930021/4x193103

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

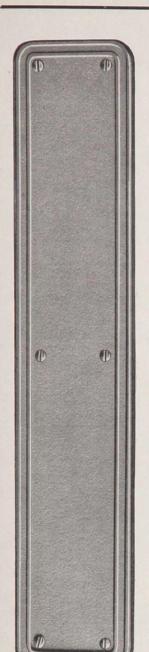
Number	Description	Lock		V1 -	Escutcheons	
	Description	Number	Page	Knobs	Outside	Inside
193220 193210 193230 193831 193833 193853 193873 193877 193987 193973 193827 193977 †193340 †193340V †193890 †193890V †193990	Latch Latch Latch Inside door Inside door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bath or bedroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door	220 210 230 831 833 853 877 987 973 827 977 340 340V 890 890V 990	288 289 289 302 302 303 304 309 310 307 308 320 321 324 325 328	193002 1/4 193002 1/4 193002 1/4 193002 1/4 193002 1/4 193002 1/4 193002 1/4 193002 1/4 193002 1/4 193002 1/4 193002 1/4 193002 1/4 193002 1/4 193002 1/4 193002 1/4 193002 1/4 193002 1/4 193002 1/4	193103 193103 193103 193103 193103 193103 193103x22 193103 193103x22 19305 193005 193005 193005 193005	193103 193103 193103 193103 193103 193103 193103x22 193103x22 193103x22 193103x22 193103x22 193103x22 193103x23 193103x23 193103x23

Packed each set in a box, complete with screws. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS SECTIONAL TRIM—With Model "C" Spindle Mountings

Number	Description	Lock		Trim			
Number		Number	Page	Knobs	Roses	Plates	
\$193220 \$193831 \$193833 \$193827 \$193977 \$193340 \$193340V	Latch Inside door. Inside door. Bathroom door. Communicating door. Cylinder, front door. Cylinder, vestibule door.	833 827 977 340	288 302 302 307 308 320 321	193002 ½ 193002 ½ 193002 ½ 193002 ½ 193002 ½ 193002 ½ 193002 ½ 193002 ½	193012 193012 193012 193012 193012 193012 193012	None 193507 193507 193507x193022 193022 193025x193022 193025	

Packed each set in a box, complete with screws. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



No. 193447 Series

MILLPORT DESIGN SYMBOL 193

CAST BRONZE OR BRASS COLONIAL PERIOD



No. 193647 Series

Number Size, Inches		Description		
193103 193005 193002 ¹ / ₄ 193025 193012 193022 193023 193507 193390 193450 193451 193452 193451 193452 193447 193456 193656	7¼x2¾ 10 x2½ 2¼ 2 2 2 x1½ 2 x1½ 4 x1¾ 2 x1½ 4 x1¾ 2½x9 2½x9 2½x9 10 x2½ 175%x3¾ 10 x2½ 175%x3¾	Escutcheon Escutcheon Door knob, Model "C" spindle mounting Cylinder plate Knob rose Turn knob on plate, 3/16 inch spindle on diamond Turn knob on plate, 7/32 inch flat spindle Key escutcheon Push button Letter box plate—Opening 1 ½"x7", Gov't. standard opening Letter box plate x back plate Letter box plate x hood Push plate Push plate Door pull x No. 141 grip. Refer to Page No. 484 Door pull x No. 143 grip. Refer to Page No. 484		

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

BILLINGHAM DESIGN SYMBOL 194

COLONIAL PERIOD
CAST BRONZE OR BRASS



No. 1940013/4 x 194011 No. 194002 x 194011



No. 194025D



No. 194002½ x 194012 No. 194003 x 194012



No. 1940101/2



No. 194507

Number	Size, Inches	Description
194001 3/4 194002 194002 1/4 194002 1/2 194003 194025D 194025 *194011 *194012 194022 194023 194507	1 3/4 2 2 1/4 2 1/2 3 2 1/4 2 1/4 1 5/8 2 2 2x1 2x1 2x1	Door knob, Model "C" spindle mounting Cylinder plate with drop Cylinder plate without drop Knob rose Knob rose Turn knob on plate, 3/6 inch spindle on diamond Turn knob on plate, 7/22 inch flat spindle Key escutcheon
194390 1940101⁄2	1 7/8 1 1/4	Push button Drawer knob

^{*}Concealed screw roses furnished at additional price. Refer to Page No. 433. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS-With Model "C" Spindle Mountings

CAST BRONZE OR BRASS BOCKSETS—With Model C Spindle Mountings								
Number	Description	Lock		Trim				
rumber	Description	Number	Page	Knobs	Roses	Plates		
A194220 B194220 A194831 B194831 A194833 B194827 B194827 A194977 B194977 B194977 †B194340 †B194340V	Latch Latch Inside door Inside door Inside door Inside door Inside door Bathroom door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	220 220 831 831 833 833 827 827 977 977 340 340V	288 288 302 302 302 307 307 307 308 308 320 321	1940013/4 194002 1940013/4 194002 1940013/4 194002 1940013/4 194002 1940013/4 194002 194002	194011 194011 194011 194011 194011 194011 194011 194011 194011	None None None 194507 194507 194507 194507x194022 194022 194022 194025x194022		

Packed each set in a box, complete with screws.

If No. 1940021/4x194012 is wanted, change Symbol "B" to "C".

If No. 1940021/2x194012 is wanted, change Symbol "B" to "F".

If No. 194003 x194012 is wanted, change Symbol "B" to "G".

†Specify thickness of door.

COLCHESTER DESIGN SYMBOL 195

COLONIAL PERIOD CAST BRONZE OR BRASS



No. 195025



No. 195507



No. 195022 No. 195023





No. 1950013/4 x 195011

Number	Size, Inches	Description
1950013/4 195025 *195011 195022 195023 195507	134 2 158 178x134 178x134 178x134	Door knob, Model "C" spindle mounting Cylinder plate Knob rose Turn knob on plate, 3/6 inch spindle on diamond Turn knob on plate, 7/32 inch flat spindle Key escutcheon

^{*}Concealed screw roses furnished at additional price. Refer to Page No. 433. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

N. I		Lock		Trim		
Number	Description	Number	Page	Knobs	Roses	Plates
195220 195801 195831 195827 195977 †195340 †195340V	Latch. Inside door. Inside door. Bathroom door. Communicating door. Cylinder, front door. Cylinder, vestibule door.	831 827 977 340	288 301 302 307 308 320 321	1950013/4 1950013/4 1950013/4 1950013/4 1950013/4 1950013/4	195011 195011 195011 195011 195011 195011	None 195507 195507 195507×195022 195022 195025×195022 195025

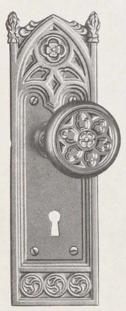
Packed each set in a box, complete with screws.

†Specify thickness of door.

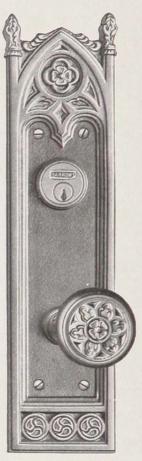
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CANTERBURY DESIGN SYMBOL 196

ENGLISH GOTHIC PERIOD CAST BRONZE OR BRASS



No. 1960021/4 x 196103



No. 1960021/4 x 196005

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

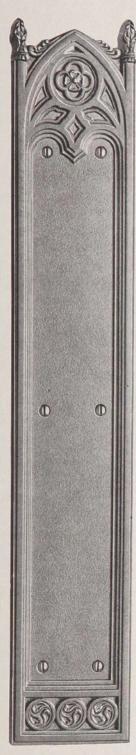
Number	Description	Loc	k	Knobs	Escutcheons	
Number	Description	Number	Page	KHODS	Outside	Inside
196220 196210 196230 196831 196833 196853 196877 196877 196827 196977 †196340 †196340V †196890 †196890V †196890V †196990 196532 196533	Latch Latch Latch Inside door Inside door Inside door Inside door Inside door Inside door Communicating door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, front door Cylinder, office door Cylinder, office door Sliding door, double	340 340V 890 890V 990	288 289 289 302 302 303 304 309 307 308 320 321 324 325 328 370 370	196002 1/4 196002 1/4 196002 1/4 196002 1/4 196002 1/4 196002 1/4 196002 1/4 196002 1/4 196002 1/4 196002 1/4 196002 1/4 196002 1/4 196002 1/4 196002 1/4 196002 1/4 196002 1/4 196002 1/4 196002 1/4 196002 1/4 None None	196103 196103 196103 196103 196103 196103 196103 196103x22 196103 196005 196005 196005 196005 196005 196005 196005	196103 196103 196103 196103 196103 196103 196103x22 196103x22 196103x22 196103x22 196103x22 196103 196103 196103 196103 196103

Packed each set in a box, complete with screws.

For entrance handle sets, refer to Page No. 272.

†Specify thickness of door.

CANTERBURY DESIGN SYMBOL 196



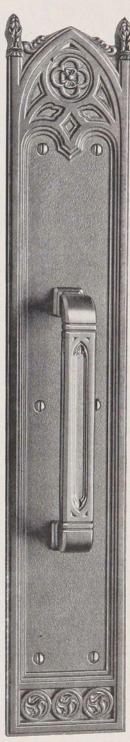
No. 196449 Series

ENGLISH GOTHIC PERIOD CAST BRONZE OR BRASS

Number	Size, In.	Description
196100 196103 196005 196102 196002 1/4 196002 1/2 196103 196022	4½xl¾ 858x2¾ 12 x3 8½x2½ 2¼ 2½ 2½ 2½ 2½ 2½	Escutcheon Escutcheon Escutcheon Escutcheon for sliding door lock Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Knob rose round Turn knob on plate, 3/16 inch spindle on diamond
196023 196507 196390 196449 196458 196649	2½x1½ 2½x1½ 4½x1¾ 12 x3 20¾x35% 12 x3	Turn knob on plate, 7/32 inch flat spindle Key plate Push button Push plate Push plate Push plate Door pull by No. 156 Grip. Refer to Page No. 489
196658 196527 196546	203/4x35/8 11/3 x51/4 15/8x33/4	Door pull by No. 157 Grip. Refer to Page No. 489 Bar sash lift Flush sash lift

For Escutcheons with turn knob, suffix "x No. 22" or "x No. 23" to number.

When ordering escutcheons only, specify lock with which they are to be used.



No. 196649 Series

CROYDON DESIGN SYMBOL 197

COLONIAL PERIOD CAST BRONZE OR BRASS







No. 197507



Nos. 197002¼ x 197012 Type Nos. 197001¾ x 197011 Type Nos. 197002 x 197011 Type Nos. E197002¼ x 197012



No. 197022 No. 197023

Number	Size, Inches	Description
197001 ³ / ₄ 197002 197002 ¹ / ₄ E197002 ¹ / ₄	1 3/4 2 2 1/4 2 1/4	Door knob, Model "C" spindle mounting (Wrought Top Cast Shank)
197025 197011 197012 197022 197023 197507	$ \begin{array}{c} 2 \\ 1 \frac{3}{4} \\ 2 \\ 1 \frac{3}{4} \times 1 \frac{3}{16} \\ 1 \frac{3}{4} \times 1 \frac{3}{16} \\ 1 \frac{3}{4} \times 1 \frac{3}{16} \end{array} $	Cylinder ring Knob rose Knob rose Turn knob on plate, ¾ inch spindle on diamond Turn knob on plate, ¼ inch flat spindle Key escutcheon

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS-Packed With 13/4 Inch Knobs, Model "C" Spindle Mountings

Set	Description	Loc	k	Trim			
Number	Description	Number	Page	Knobs	Roses	Plates	
A197200 A197801 A197831 A197833 A197853 A197837 A197827 A197977 †A197340 †A197340V	Latch Inside door Inside door Inside door Inside door Inside door Bathroom door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	340	288 301 302 302 303 307 307 308 380 321	1970013/4 1970013/4 1970013/4 1970013/4 1970013/4 1970013/4 1970013/4 1970013/4 1970013/4	197011 197011 197011 197011 197011 197011 197011 197011	None 197507 197507 197507 197507 197507x197022 197507x197022 197022 197025x197022 197025x197022	

Packed each set in a box, complete with screws.

†Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—Packed With 2 Inch Knobs, Model "C" Spindle Mountings

Set	Description	Lock		Trim			
Number		Number	Page	Knobs	Roses	Plates	
B197200 B197801 B197831 B197833 B197853 B197837 B197827 B197977 †B197340 †B197340V	Latch. Inside door Inside door Inside door Inside door Inside door Bathroom door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	833 853 837 827 977 340	288 301 302 302 303 307 307 308 320 321	197002 197002 197002 197002 197002 197002 197002 197002 197002 197002	197011 197011 197011 197011 197011 197011 197011 197011	None 197507 197507 197507 197507 197507x197022 197507x197022 197022 197025x197022	

Packed each set in a box, complete with screws. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CROYDON DESIGN SYMBOL 197

COLONIAL PERIOD CAST BRONZE OR BRASS

CAST BRONZE OR BRASS LOCKSETS—Packed with 21/4-Inch Cast Knobs, Model "C" Spindle Mountings

Set	Description	Loc	k	Trim			
Number			Page	Knobs	Roses	Plates	
C197200 C197210 C197220 C197831 C197833 C197883 C197873 C197877 C197987 C197987 C197827 C197827 C197827 C197840 +C197340V +C197380V +C197890V +C197990	Latch Latch Latch Inside door Inside door Inside door Inside door Inside door Inside door Bathroom door Communicating door Bathroom door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door	877 987 973 837 827 977 340 340V 890 890V	288 289 289 302 302 303 304 309 309 310 307 307 307 308 320 321 324 325 328	197002 ¼ 197002 ¼	197012 197012 197012 197012 197012 197012 197012 197012 197012 197012 197012 197012 197012 197012 197012 197012	None None None 197507 197507 197507 197507 197507 197507×197022 197507×197022 197507×197022 197507×197022 197502 197025 197025 197025 197025 197025 197025	

Packed each set in a box, complete with screws.

†Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—Packed with 21/4-Inch Wrought Top, Cast Shank Knobs, Model "C" Spindle Mountings

	Woder O Spindle Wountings											
Set	Description	Loc	k		Trim							
Number	Description	Number	Page	Knobs	Roses	Plates						
E197200 E197210 E197220 E197831 E197833 E197853 E197877 E197877 E197987 E197987 E197987 E197827 E197827 E197977 †E197340 †E197340V †E197890 †E197890V †E197890V	Latch Latch Latch Inside door Inside door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bathroom door Bathroom door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door Cylinder, vestibule door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door	200 210 220 831 833 853 877 987 973 837 827 977 340 340V 890 890V 990	288 289 289 302 302 303 304 309 310 307 307 307 308 320 321 324 325 328	E197002 ½	197012 197012 197012 197012 197012 197012 197012 197012 197012 197012 197012 197012 197012 197012 197012 197012	None None None 197507 197507 197507 197507 197507 197507 197022 197022 197507x197022 197507x197022 197507x197022 197025 197025 197025 197025 197025 197025						

Packed each set in a box, complete with screws.

†Specify thickness of door.

DURADO DESIGN SYMBOL 198

MISSION PERIOD
CAST BRONZE OR BRASS



No. 198025



No. 1980021/4 x 198012



No. 198022 No. 198023



No. 198507

Number	Size, Inches	Description
198002 1/4 198025 198012 198022 198023 198507	2 ½ 2 ½x2 ½ 2 ½x2 ½ 1 ½x1 ½ 1 ½x1 ½ 1 ½x1 ½	Door knob, Model "C" spindle mounting Cylinder plate Knob rose Turn knob on plate, 3/6 inch spindle on diamond Turn knob on plate, 7/2 inch flat spindle Kev escutcheon

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Set	Description	Loc	k	Trim			
Number	Description	Number	Page	Knobs	Roses	Plates	
198220 198210 198230 198831 198833 198853 198873 198877 198973 198977 198977 198340 198340V 198890 198890V	Latch Latch Latch Inside door Inside door Inside door Inside door Inside door Inside door Sathroom door Communicating door Bath and bedroom door Bathroom door Communicating door Cylinder, front door Cylinder, westibule door Cylinder, vestibule door Cylinder, vestibule door Cylinder, vestibule door Cylinder, office door	973 827 977 340 340V 890 890V	288 289 289 302 302 303 304 309 310 307 307 320 321 324 325 328	198002 ½ 198002 ½ 198002 ½ 198002 ½ 198002 ½ 198002 ½ 198002 ½ 198002 ½ 198002 ½ 198002 ½ 198002 ½ 198002 ½ 198002 ½ 198002 ½ 198002 ½ 198002 ½ 198002 ½ 198002 ½ 198002 ½ 198002 ½	198012 198012 198012 198012 198012 198012 198012 198012 198012 198012 198012 198012 198012 198012 198012	None None None 198507 198507 198507 198507 198507 198507 198507x198022 198022 198507x198022 198022 198025 198025 198025 198025 198025	

Packed each set in a box, complete with screws.

†Specify thickness of door.

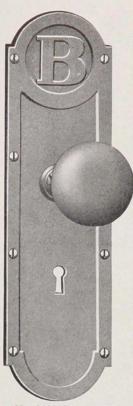
TELFORD DESIGN SYMBOL 199

CAST BRONZE OR BRASS

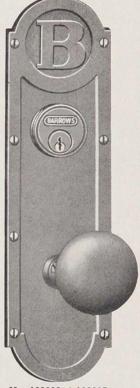
Monograms of different types may be used on these Escutcheons



No. 199447 Series



No. 1990021/4x199005



No. 1990021/4x199005

Number	Size, Inches	Description				
199005 199002 1/4 199002 1/2 199447 199454 199455 199458 199647 199654 199655 199658	11x3 2½ 2½ 11x3 16x3 16x4 20x4 11x3 16x3 16x4 20x4	Escutcheon Door knob, Model "C" spindle mounting Door knob, Model "C" spindle mounting Push plate Push plate Push plate Push plate Push plate Door pull x No. 140 Grip. Refer to Page No. 484 Door pull x No. 143 Grip. Refer to Page No. 484 Door pull x No. 143 Grip. Refer to Page No. 484 Door pull x No. 143 Grip. Refer to Page No. 484 Door pull x No. 145 Grip. Refer to Page No. 484				

For escutcheons with turn knobs, suffix "x No. 22" or "x No. 23" to number. When ordering escutcheons only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

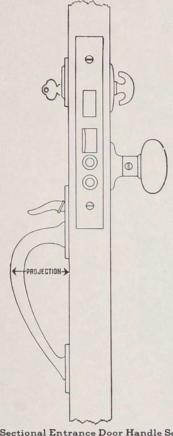
CAST BRONZE OR BRASS LOCKSETS—With Model "C" Spindle Mountings

Number	Description	Loc	k	Knobs	Escutcheons		
rumper	Number Description		Page	KHODS	Outside	Inside	
199220 199831 199827 199977 †199340 †199340 V	Latch Inside door Bathroom door Communicating door Cylinder, front door Cylinder, vestibule door	831 827 977	288 302 307 308 320 321	199002 ¼ 199002 ¼ 199002 ¼ 199002 ¼ 199002 ¼ 199002 ¼	199005 199005 199005 199005x22 199005 199005	199005 199005 199005x22 199005x22 199005x22 199005	

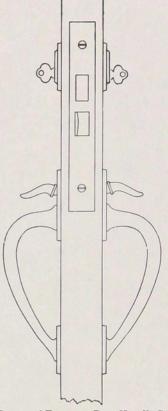
Packed each set in a box, complete with screws. †Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

[FUTURE DESIGNS]

SECTIONAL ENTRANCE HANDLE SETS



Cuts show cylinder locks complete with trim. For use on store and residence entrance doors.



Sectional Entrance Door Handle Set For Store Doors

Lock shown above is No. 162

Other locks requiring a pair of handles may be used.

Refer to Pages 348 to 352 inclusive, and 360.

Sectional Entrance Door Handle Set For Residence Doors Lock shown above is No. 177

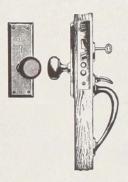
Other locks requiring one-half pair of handles with knob trim inside may be used.

Refer to Pages 340 to 345 inclusive, and 359.

Sectional Handle Sets shown on the following pages are listed with No. 162 and No. 177 Locks. The last three numerals in the Set Number indicates the Lock used. If other locks are wanted, change the numerals to the number of the lock wanted. Specify Type of Knob and Trim wanted on inside when ordering sets for residence doors.

ENTRANCE DOOR HANDLE SETS

WROUGHT BRONZE, BRASS OR STEEL CAST BRONZE, BRASS OR IRON GRIPS



End View and inside trim of locksets on this page











No. S10141 No. PS10141 Angro Design



No. S12141 No. PS12141 Stratford Design



No. S21141 No. PS21141 Superior Design

Set Nur Lock No. 141 Page No. 346		Handle Number	Size Over All Inches	Projection	Grip Number	Key Plate Inches	Thumb Piece Plate Inches	Lower Plate Inches
*S10141 *S12141 *S21141	†PS10141 †PS12141 †PS21141	S10000 PS10000 S12000 PS12000 S21000 PS21000	11½x2¾8 11½x2¾8 12½x25% 12½x25% 11 x2 11 x2	25/8 25/8 25/8 25/8 25/8 21/2 21/2	160 P160 160 P160 160 P160	2½6 2½6 2½42¼ 2¼42¼ 2 ¼2¼ 2 x2 2 x2	25/ ₁₆ 25/ ₁₆ 3x25/ ₈ 3x25/ ₈ 3x2 3x2	2½6 2½6 2½x2¼ 2¼x2¼ 1¾x1¾ 1¾x1¾

Packed each set in a box, complete with screws.

*Sets have cast bronze grips on wrought bronze plates; inside trim, wrought bronze. †Sets have cast iron grips on wrought steel plates; inside trim, wrought steel as selected. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

ENTRANCE DOOR HANDLE SETS

WROUGHT BRONZE OR BRASS PLATES
CAST BRONZE OR BRASS GRIPS















No. S12162 No. S12177 Stratford Design



No. S21162 No. S21177 Superior Design



No. S25162 No. S25177 Warren Design

Set Numbers			†Size						
Two Handles	*One Handle	Handle Number	Over All Using	Grip Number	Projection Inches	Cylind	er Plate	Thumb Piece	Lower Plate
Lock No. 162 Page No. 348	Lock No. 177 Page No. 340	Number	Lock No. 177	Number	mones	Number	Inches	Plate Inches	Inches
S10162 S12162 S21162 S25162	\$10177 \$12177 \$21177 \$25177	\$10000 \$12000 \$21000 \$25000	13 x25/16 131/2x25/8 133/8x2 145/8x23/4	160 160 160 160	25/8 25/8 21/2 21/2	10025 12025 21025 25025	25/16 25/8×25/8 2 ×2 33/4×23/4	25/ ₁₆ 3 x25/ ₈ 3 x2 3 / ₈ x2 / ₈	2½6 2¼x2¼ 1¾x1¾ 3 x2½

Packed each set in a box, complete with screws.

*Outside trim— $\frac{1}{2}$ pair handles. Inside trim—Wrought bronze knob, rose and turn knob. Other inside wrought trim can be substituted at no additional price. Cast trim at difference in price.

†For length overall using lock No. 162, deduct 3/4 inches.

Specify thickness of door.

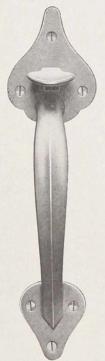
These handles can be used with other locks having a lift type of operation on the latch bolt.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

ENTRANCE DOOR HANDLE SETS

CAST BRONZE OR BRASS





No. S157162 No. S157177 Columbus Design





No. S158162 No. S158177 Westvale Design





No. S113162 No. S113177 Parkwood Design

Set Nu Two Handles		mbers *One Handle	Handle	†Size Over All Using	Grip	Projection	Cylinder Plate		Thumb Piece	Lower Plate
	ck No. 162 ge No. 348	Lock No. 177 Page No. 340	Number	Lock No. 177 Inches	Number	Inches	Number	Inches	Plate Inches	Inches
2	\$113162 \$157162 \$158162	S113177 S157177 S158177	S113000 S157000 S158000	161/4x23/4 141/8x29/16 16 x25/16	S113 S157 S158	27/8 21/4 21/4	113025 157025 158025	$\begin{array}{c} 2\frac{1}{2}x2\frac{1}{2} \\ 2\frac{3}{16}x2\frac{3}{16} \\ 3\frac{13}{16}x1\frac{15}{16} \end{array}$	13 x23/4 33/8x29/16 45/8x25/16	23/8x17/8 21/2x15/8

Packed each set in a box, complete with screws.

*Outside Trim—½ pair handles. Inside Trim—Wrought bronze knob, rose and turn knob. Other inside wrought trim can be substituted at no additional price. Cast trim at difference in price.

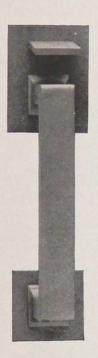
†For length over all using Lock No. 162 deduct 3/4 inches.

Specify thickness of door.

These handles can be used with other locks having a lift type of operation on the latch bolt.

CAST BRONZE OR BRASS



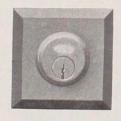


No. S154162 No. S154177 Karlos Design





No. S153162 No. S153177 Putnam Design





No. S163162 No. S163177 Salem Design

Set Nu	umbers		†Size Over All					Thumb	
Two Handles	*One Handle	Handle Number	Using Lock	Grip Number	Projection Inches	Cylinde	er Plate	Piece Plate	Lower Plate
Lock No. 162	Lock No. 177	Number	No. 177	Number	littles			Inches	Inches
	Page No. 340		Inches			Number	Inches	menes	menes
S153162 S154162 S163162	S153177 S154177 S163177	S153000 S154000 S163000	13¼x2¼ 14½x2¼ 15¾x2¾	162 177 171	2½ 25/8 25/8	153025 154025 A163025	2 x2 2¼x2¼ 2¾x2¾	2½x2¼ 3½x2¼ 2¾x2¾	2 x2 2 x2 2 x2

Packed each set in a box, complete with screws.

*Outside trim— $\frac{1}{2}$ pair handles. Inside trim—Wrought bronze knob, rose and turn knob. Other inside wrought trim can be substituted at no additional price. Cast trim at difference in price.

†For length over all using Lock No. 162, deduct 3/4 inches.

Specify thickness of door.

These handles can be used with other locks having a lift type of operation on the latch bolt.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS













No. S164162 No. S164177 Charlton Design



No. S150162 No. SA150162 No. S150177 No. SA150177 Albion Design

Two H		*One Handle	Handle Number	†Size Over All Using Lock	Grip Number	Projection Inches	Cylinde	er Plate	Thumb Piece Plate	Lower Plate
	No. 162 e 348	Lock No. 177 Page 340	Number	No. 177 Inches	Number	niches	Number	Inches	Inches	Inches
SAIS SIG	50162 50162 64162 74162 74162	\$150177 \$A150177 \$164177 \$A174177 \$174177	\$150000 \$A150000 \$164000 \$174000 \$A174000	13 x25/8 15 x25/8 161/2x21/8 13 x25/8 15 x27/8	127 170 167 170 127	2½ 2½ 2½ 2¾ 2½ 2½	150025 150025 164025 174025 174025	23/8 23/8 31/8x17/8 21/2 21/2	25/8 25/8 4 x21/8 27/8 27/8	13/4 13/4 23/8x13/8 13/4 13/4

Packed each set in a box, complete with screws.

*Outside Trim—½ pair handles. Inside Trim—wrought bronze knob, rose and turn knob. Other inside wrought trim can be substituted at no additional price. Cast trim at difference in price.

†For length over all using Lock No. 162 deduct 3/4 inches.

Specify thickness of door.

These handles can be used with other locks having a lift type of operation on the Latch Bolt.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS











No. S152162 No. S152177 Custer Design



No. S155162 No. S155177 Winfield Design



No. S173162 No. S173177 Dover Design



No. S172162 No. S172177 No. SA172162 No. SA172177 Belview Design

Set Nu	mbers		†Size Over All					Thumb	
Two Handles	*One Handle	Handle Number	Using Lock	Grip Number	Projection Inches	Cylinde	er Plate	Piece Plate	Lower Plate
Lock No. 162	Lock No. 177		No. 177	Number	menes			Inches	Inches
Page No. 348	Page No. 340		Inches			Number	Inches		
S152162 S155162 S172162 SA172162 SA173162	S152177 S155177 S172177 SA172177 SA172177	\$152000 \$155000 \$172000 \$A172000 \$173000	14 1/4 x3 3/8 14 3/4 x2 9/6 14 x2 1/2 14 3/4 x2 1/2 15 1/2 x2 1/2	165 165 111 112 170	23/4 25/8 21/2 21/2 21/4	152025 155025 172025 172025 173025	23/4 23/8 21/4×21/2 21/4×21/2 21/2	33/8 4 x29/16 21/4x21/2 21/4x21/2 21/2	2 ½ 23/8 2 ½ x 23/8 2 ½ x 23/8 1 5/8

Packed each set in a box, complete with screws.

*Outside Trim—½ pair handles. Inside Trim—Wrought bronze knob, rose and turn knob. Other inside wrought trim can be substituted at no additional price. Cast trim at difference in price.

†For length over all using lock No. 162 deduct 3/4 inches.

Specify thickness of door.

These handles can be used with other locks having a lift type of operation on the latch bolt.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Illustrations One-third Size 251

CAST BRONZE OR BRASS





No. S33162 No. S33177 Eastlake Design





No. S35162 No. S35177 Bayside Design





No. S179162 No. S179177 Chelsea Design



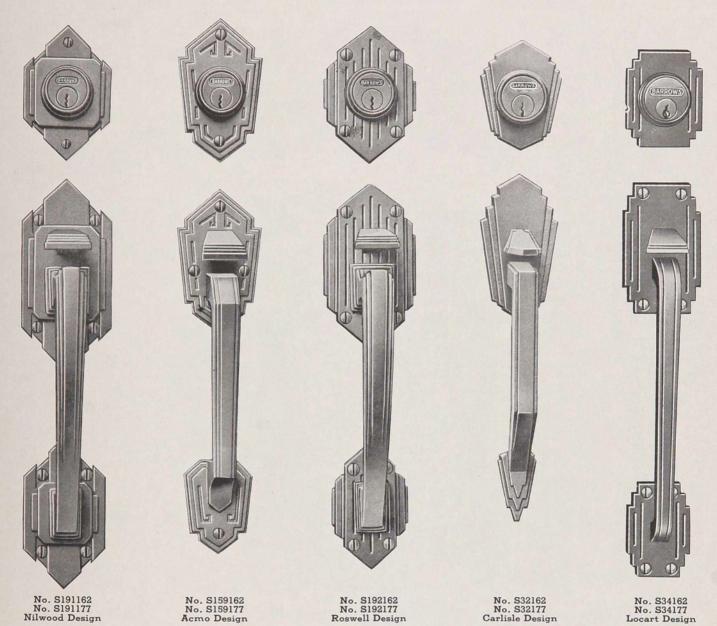


No. S27162 No. S27177 Imperial Design

Lock No. 162	*One Handle Lock No. 177	Number	†Size Over All Using Lock No. 177	Grip Number	Projection Inches	Pla	nder ate	Thumb Piece Plate	Lower Plate Inches
Page No. 348	Page No. 340		Inches			Number	Inches	Inches	
S27162 S33162 S35162 S179162	\$27177 \$33177 \$35177 \$179177	\$27000 \$33000 \$35000 \$179000	163/4x21/2 151/4x2 167/8x21/6 167/8x21/4	S27 S33 167 S27	23/8 2 25/8 23/8	27025 33025 35025 179025	35/8x21/8 43/8x2 33/4x21/8 41/4x23/8	4 ½x2½ 5 x2 4¼x2 4½x2¼	3½x1½ 158x1½ 3¼x158 278x158

Packed each set in a box, complete with screws.
*Outside trim—½ pair handles. Inside trim—Wrought bronze knob, rose and turn knob. Other inside wrought trim can be substituted at no additional price. Cast trim at difference in price.
†For length over all using lock No. 162 deduct 3/4 inches.
Specify thickness of door.
These handles can be used with other locks having a lift type of operation on the latch bolt.
Specify Number and Finish. Refer to Page 36 for description of finishes.

CAST BRONZE OR BRASS



Two Handles Lock No. 162	*One Handle Lock No. 177 Page No. 340		†Size Over All Using Lock No. 177 Inches	Grip Number	Projection Inches		nder ate Inches	Thumb Piece Plate Inches	Lower Plate Inches
\$32162 \$34162 \$159162 \$191162 \$192162	S32177 S34177 S159177 S191177 S192177	\$32000 \$34000 \$159000 \$191000 \$192000	14 1/4 x 2 1/4 16 1/4 x 2 1/4 15 1/2 x 2 3/8 16 x 29/16 15 5/8 x 2 5/8	S32 180 S159 181 181	2 2½ 2 2½ 2½ 2½	32025 34025 159025 191025 192025	3 x2 ¹ / ₄ 2 ³ / ₄ x2 ¹ / ₄ 4 x2 ³ / ₈ 3 ³ / ₄ x2 ¹ / ₂ 3 ³ / ₄ x2 ⁵ / ₈	4 x2½ 3¾x2¼ 4 x2¾ 5¼x2½ 45%x25%	1 7/8x1 1/8 23/4x1 7/8 3 1/4x2 4 x2 1/4 3 3/8x2 1/8

Packed each set in a box, complete with screws.
*Outside trim—½ pair handles, Inside trim—wrought bronze knob, rose and turn knob. Other inside wrought trim can be substituted at no additional price. Cast trim at difference in price.
†For length over all using lock No. 162 deduct ¾ inches.

Specify thickness of door.

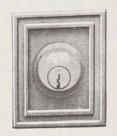
These handles can be used with other locks having a lift type of operation on the Latch Bolt.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE, OR BRASS















No. SA166162 No. SA166177 Manchester Design



No. SB166162 No. SB166177 Manchester Design



No. SC166162 No. SC166177 Manchester Design

Set Nu. Two Handles	mbers *One Handle	Handle Number	†Size Over All Using Lock	Grip Number	Projection Inches	Cylinde	r Plate	Thumb Piece Plate	Lower Plate Inches
Lock No. 162 Page No. 348	Lock No. 177 Page No. 340		No. 177 Inches			Number	Inches	Inches	inches
\$166162 \$A166162 \$B166162 \$C166162	\$166177 \$A166177 \$B166177 \$C166177	\$166000 \$A166000 \$B166000 \$C166000	145/8x23/8 155/8x25/8 16 x25/8 18 x25/8	133 170 135 136	23/8 21/2 21/4 23/8	166025 A166025 B166025 C166025	23/8x23/8 31/4x25/8 31/4x25/8 31/4x25/8	35/8x23/8 31/4x25/8 31/4x25/8 31/4x25/8	2 x2 2 ¼x2 ¼ 2 ¾x2 ¾ 2 ¾8x2 ¾ 2 ¾8x2 ¾

Packed each set in a box, complete with screws.

*Outside trim—½ pair handles. Inside trim—Wrought bronze knob, rose and turn knob. Other inside wrought trim can be substituted at no additional price. Cast trim at difference in price.

†For length over all using lock No. 162 deduct ¾ inches.

Specify thickness of door.

These handles can be used with other locks having a lift type of operation on the latch bolt.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



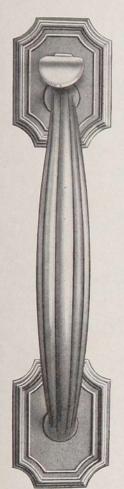
CAST BRONZE OR BRASS



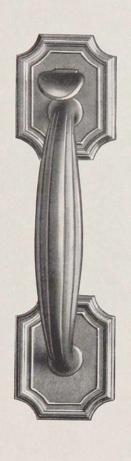




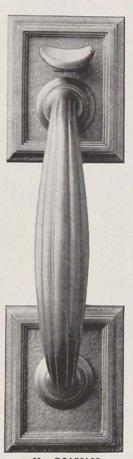




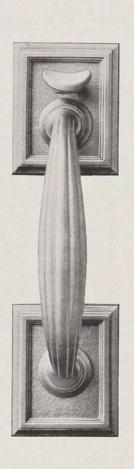
No. SA178162 No. SA178177 Stockbridge Design



No. S178162 No. S178177 Stockbridge Design



No. SA156162 No. SA156177 Walcott Design



No. S156162 No. S156177 Walcott Design



No. S167162 No. S167177 Olympia Design

	*One Handle Lock No. 177 Page No. 340	Number	†Size Over All Using Lock No. 177 Inches	Grip Number	Projection Inches		nder ate Inches	Thumb Piece Plate Inches	Lower Plate Inches
S156162 SA156162 S167162 S178162 SA178162	\$156177 \$A156177 \$167177 \$178177 \$A178177	S156000 SA156000 S167000 S178000 SA178000	16 1/4 x 3 18 x 3 15 1/2 x 2 1/2 16 1/4 x 2 3/4 18 x 2 3/4	135 136 111 135 136	25/8 25/8 25/8 25/8 21/2 23/8	156025 156025 167025 178025 178025	3 x3 3 x3 3 1/4x2 1/2 3 1/2 x2 3/4 3 1/2 x2 3/4	3¾x3 3¾x3 3¼x2½ 3½x2¾ 3½x2¾	3¾x3 3¾x3 3½x2¼ 3½x2¾ 3½x2¾

Packed each set in a box, complete with screws.
*Outside trim—½ pair handles, Inside trim—wrought bronze knob, rose and turn knob. Other inside wrought trim can be substituted at no additional price. Cast trim at difference in price.
†For length over all using lock No. 162 deduct ¾ inches.
Specify thickness of door. These handles can be used with other locks having a lift type of operation on the Latch Bolt.
Specify Number and Finish. Refer to Page 36 for description of finishes.

CAST BRONZE OR BRASS





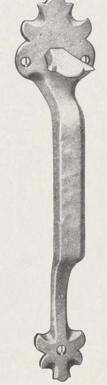


















No. S115162 No. S115177 Revere Design

No. S116162 No. S116177 Roxbury Design

No. S117162 No. S117177 Rockdale Design

No. S104162 No. S104177 Altenburg Design

No. S114162 No. S114177 San Ariego

Set Nu Two Handles	*One Handle	Handle Number	†Size Over All Using Lock	Grip Number	Projection Inches	Cylinde	er Plate	Thumb Piece Plate	Lower Plate
Lock No. 162 Page No. 348	Lock No. 177 Page No. 340	1,411201	No. 177 Inches			Number	Inches	Inches	Inches
\$104162 \$114162 \$115162 \$116162 \$117162	\$104177 \$114177 \$115177 \$116177 \$117177	\$104000 \$114000 \$115000 \$116000 \$117000	18 x25/16 19½x2½ 165/8x2¾ 163/8x3 15 x2½	S104 S114 S115 S116 S117	2 ¼ 2 ¼ 2 ¾ 2 ¾ 2 ½ 2	104025 114025 115025 116025 117025	43/8x25/16 12x21/2 31/4x21/2 3 x3 3 x2	47/8x25/16 3 x23/4 21/2x21/2 33/8x21/2	23/4x15/8 23/4x19/16 23/8x13/4 15/8x15/8 2 x21/16

Packed each set in a box, complete with screws.
*Outside trim—½ pair handles. Inside trim—Wrought bronze knob, rose and turn knob. Other inside wrought trim can be substituted at no additional price. Cast trim at difference in price.
†For length over all using lock No. 162 deduct ¾ inches except Set No. 114.
Specify thickness of door.
These handles can be used with other locks having a lift type of operation on the latch bolt.
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS











No. S101162 No. S101177 San Ardo Design





No. S112162 No. S112177 Chatham Design





No. S118162 No. S118177 Rutland Design

Two Handles		Handle Number	†Size Over All Using Lock	Grip Number	Projection Inches	Cylinde	er Plate	Thumb Piece Plate	Lower Plate
Lock No. 162 Page No. 348			No. 177 Inches			Number	Inches	Inches	Inches
S101162 S102162 S112162 S118162	S101177 S102177 S112177 S118177	\$101000 \$102000 \$112000 \$118000	15 1/8x2 1/8 15 1/8x2 1/8 16 1/2 x2 3/4 18 1/8 x 2 7/8	S101 S102 S112 S118	2 ½8 2 ½8 2 ½8 2 ½8	101025 102025 112025 118025	33/4x21/8 33/4x21/8 21/2x21/2 31/2x23/4	4 ½8x2 ½8 4 ½8x2 ½8 13 ½8x2 ¾ 3 ½8x2 ¾	15/8x2 15/8x2 27/8x2

Packed each set in a box, complete with screws.
*Outside Trim—½ pair handles. Inside Trim—Wrought bronze knob, rose and turn knob. Other inside wrought trim can be substituted at no additional price. Cast trim at difference in price.

*Frozific this land of the substitute of the su

Specify thickness of door.
These handles can be used with other locks having a lift type of operation on the latch bolt.
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS



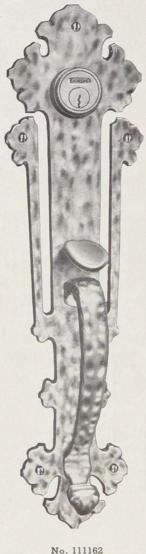


No. S106162 No. S106177 Grayton Design





No. S107162 No. S107177 Glenville Design



No. 111162 No. 111177 San Juan Design





Set Nu Two Handles	*One Handle	Handle Number	†Size Over All Using Lock	Grip Number	Projection Inches	Cylinde	er Plate	Thumb Piece Plate	Lower Plate
Lock No. 162 Page No. 348	Lock No. 177 Page No. 340		No. 177 Inches		menes	Number	Inches	Inches	Inches
\$105162 \$106162 \$107162 111162	\$105177 \$106177 \$107177 111177	\$105000 \$106000 \$107000 111000	173/4x37/8 151/2x3 157/8x31/8 147/8x4	S105 S106 S107 111	23/8 21/4 2 23/8	105025 106025 107025	3 x3 3½x23/8 4 x3½	4 x378 3 x234 3½x3½	4 x3½ 1½x2½ 1½x2½

Packed each set in a box, complete with screws.
*Outside trim—½ pair handles. Inside trim—Wrought bronze knob, rose and turn knob. Other inside wrought trim can be substituted at no additional price. Cast trim at difference in price.
†For length over all using lock No. 162 deduct 34 inches except Set No. 111177.

Specify thickness of door.
These handles can be used with other locks having a lift type of operation on the latch bolt.
When ordering handles only No. 111000, specify lock with which they are to be used.
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS



Haverhill Design





No. S131162 No. S131177 Holliston Design









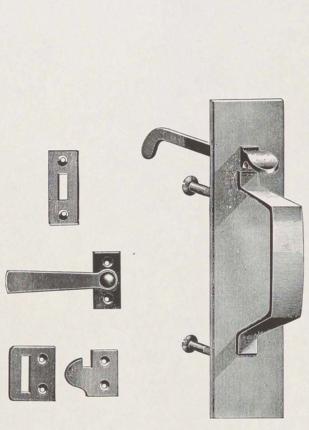


Set Num	bers		10.						
Two Handles	*One Handle	Handle Number	†Size Over All Using	Grip Number	Projection Inches	Cylind	er Plate	Thumb Piece	Lower Plate
Lock No. 162 Page No. 348	Lock No. 177 Page No. 340	Number	Lock No. 177	Number	menes	Number	Inches	Plate Inches	Inches
\$130162 †\$131162 \$132162 †\$133162	S130177 S131177 S132177 S133177	\$130000 \$131000 \$132000 \$133000	16x2¼ 16x2¼ 16x2¼ 16x2½	S130 S131 S132 S133	2 2 2 2 2	130025 131025 132025 133025	3½x2 3½x2 2½x2 2½x2½ 2½x2½	3½x2¼ 3½x2¼ 3½x2¾ 3½x2¾ 3½x238	1 7/8x1 ½ 1 7/8x1 ½ 1 3/4x1 ½ 1 3/4x1 ½

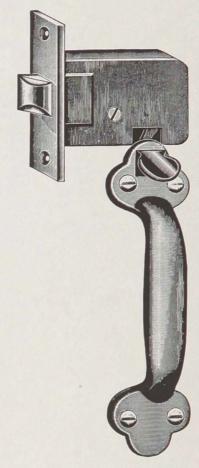
Illustrations One-third Size 259

Packed each set in a box, complete with screws.
*Outside trim—½ pair handles. Inside trim—Wrought bronze knob, rose and turn knob. Other inside wrought trim can be substituted at no additional price. Cast trim at difference in price.
†For length overall using lock No. 162, deduct ¾ inches.
Specify thickness of door.
These handles can be used with other locks having a lift type of operation on the latch bolt.
Specify Number and Finish. Refer to Page No. 36 for description of finishes.
†Nos. \$131000 and \$133000 are hammered.

THUMB LATCH SETS







No. P80273

	La	atch			Handles		
Number	Number	Page		Projection Inches	Number	Size Inches	Material
800 P800 P80273	Rim Rim 273	290	One Only One Only One Pair	2 2 2	Pl	9¼x2 9¼x2 8½x2¼	Cast Bronze Cast Iron Cast Iron

Packed each set in a box, complete with screws.

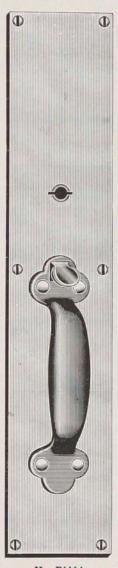
Furnished in japan or cadmium finish.

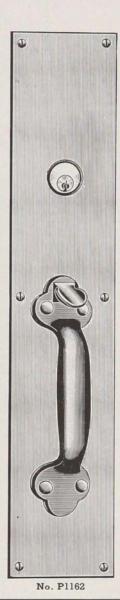
Specify Number and Finish. Refer to Page No. 36 for description of finishes.



EXTRA HEAVY. Especially adapted for use on warehouse and factory doors.

WROUGHT STEEL PLATES CAST IRON GRIPS







No. P2114

No. P1114

No. P2162

	_	,		One Pair Handles								
Set	Loc	Lock		Size	Projection	Grip	Center to	Material				
Number	No.	Page	Number	Inches	Inches	Number	Center Inches	Plate	Grip and Tb. Pc.			
P1114 P1162 P2114 P2162	P114 162 P114 162	347 348 348 347	P1000 P1000 P2000 P2000	16x3½ 16x3½ 20x4 20x4	2½ 2½ 2½ 2½ 2½	P1 P1 P2 P2	5½ 6¾ 5½ 6¾	Wrought Steel Wrought Steel Wrought Steel Wrought Steel	Cast Iron Cast Iron Cast Iron Cast Iron			

Specify thickness of door. Packed each set in a box, complete with through bolts.

These handles can be used with other locks having a lift type of operation on the latch bolt.

When ordering handles only, specify lock with which they are to be used. Furnished in black japan or cadmium finish.

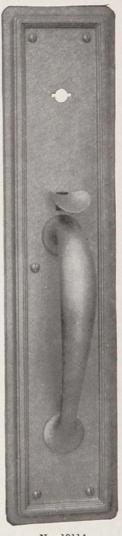
WROUGHT BRONZE, BRASS OR STEEL



No. 11114 No. P11114 Arden Design



No. 12114 No. P12114 Stratford Design



No. 19114 No. P19114 Newport Design

		Lock		One Pair Handles								
Set Number	Lock			Size	Projection	Grip	Center to	Material				
	No.	Page	Number	Inches	Inches	Number	Center Inches	Plate	Grip and Tb. Pc.			
11114 P11114 12114 P12114 19114 P19114	114 P114 114 P114 114 P114	347 347 347 347 347 347	11000 P11000 12000 P12000 14000 P14000	12 x3 12 x3 14½x3¼ 14½x3¼ 14½x3¼ 14½x3¼	1 7/8 1 7/8 2 5/8 2 5/8 2 5/8 2 5/8	100 P100 160 P160 160 P160	4 1/2 4 1/2 5 1/2 5 1/2 5 1/2 5 1/2	Wrought Bronze Wrought Steel Wrought Steel Wrought Steel Wrought Bronze Wrought Steel	Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Bronze Cast Iron			

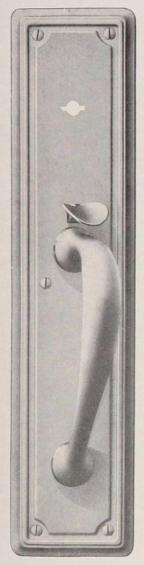
Packed each set in a box, complete with screws.

These handles can be used with other locks having a lift type of operation on the latch bolt.

When ordering handles only, specify lock with which they are to be used.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

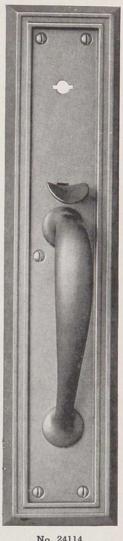
WROUGHT BRONZE, BRASS OR STEEL



No. 15114 No. P15114 Oxford Design



No. 18114 No. P18114 Kenwood Design



No. 24114 No. P24114 Glendale Design

	т	Lock		One Pair Handles								
Set Number —	Loc	CK		Size Inches	Projection	Grip	Center to	Material				
	No.	Page	Number		Inches	Number	Center Inches	Plate	Grip and Tb. Pc.			
15114 P15114 18114 P18114 24114 P24114	114 P114 114 P114 114 P114	347 347 347 347 347 347	15000 P15000 18000 P18000 24000 P24000	14½x3¼ 14½x3¼ 14½x3¼ 14½x3¼ 14½x3¼ 14½x3¼ 14½x3¼	25/8 25/8 25/8 25/8 25/8 25/8	160 P160 160 P160 160 P160	5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2	Wrought Bronze Wrought Steel Wrought Bronze Wrought Steel Wrought Bronze Wrought Steel	Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron			

Packed each set in a box, complete with screws.

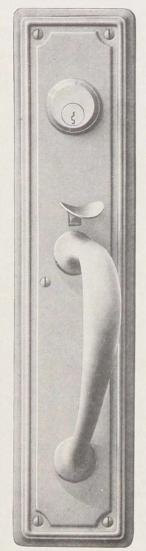
These handles can be used with other locks having a lift type of operation on the latch bolt.

When ordering handles only, specify lock with which they are to be used.

Specify Number and Finish. Refer to Page 36 for description of finishes.

Illustrations One-third Size 263

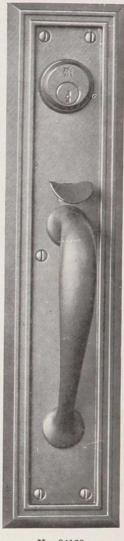
WROUGHT BRONZE OR BRASS



No. 15162 Oxford Design



No. 18162 Kenwood Design



No. 24162 Glendale Design

Set Number	Lock			One Pair Handles								
				Size	Projection	Grip	Center to	Material				
	No.	Page	Number	Inches	Inches	Number	Center Inches	Plate	Grip and Tb. Pc.			
15162 18162 24162	162 162 162	348 348 348	15000 18000 24000	14½x3¼ 14½x3¼ 14½x3¼	25/8 25/8 25/8	160 160 160	51/2	Wrought Bronze Wrought Bronze Wrought Bronze	Cast Bronze Cast Bronze Cast Bronze			

Packed each set in a box, complete with screws.

These handles can be used with other locks having a lift type of operation on the latch bolt.

When ordering handles only, specify lock with which they are to be used.

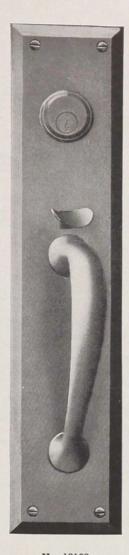
Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WROUGHT BRONZE OR BRASS



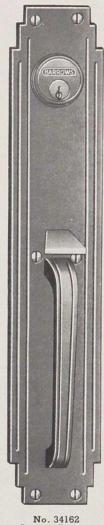
No. 11162 Arden Design



No. 12162 Stratford Design



No. 19162 Newport Design



No. 34162 Locart Design

Set Number	Lo	Lock		One Pair Handles								
				Size	Projection	Grip	Center to	Material				
	No.	Page	Number	Inches	Inches	Number	Center Inches	Plate	Grip and Tb. Pc.			
11162 12162 19162 34162	162 162 162 162	348 348 348 348	11000 12000 19000 34000	12 x3 14½x3¼ 14½x3¼ 14½x3¼ 14¾8x2¾	1 7/8 25/8 25/8 21/2	100 160 160 192	4½ 5½ 5½ 5½ 5½	Wrought Bronze Wrought Bronze Wrought Bronze Wrought Bronze	Cast Bronze Cast Bronze Cast Bronze Cast Bronze			

Packed each set in a box, complete with screws.

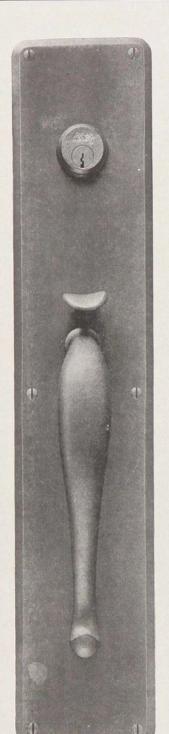
These handles can be used with other locks having a lift type of operation on the latch bolt.

When ordering handles only, specify lock with which they are to be used.

Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Illustrations One-third Size 265



HANDLE SETS

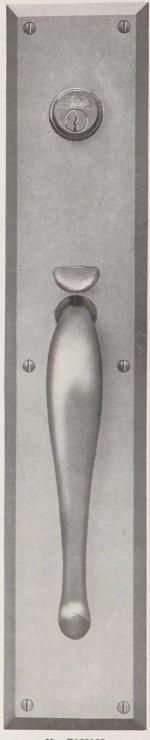
CAST BRONZE OR BRASS



No. B162162 Nos. 162162 and A162162 Kent Design Kent Design



Nos. 163162 and A163162 Salem Design



No. B163162 Salem Design

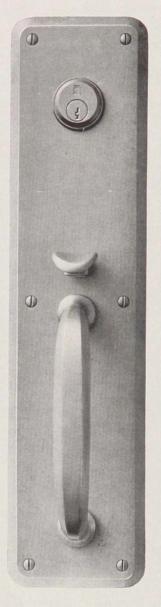
	Loc	Lock		One Pair Handles								
Set Number	Number	Page	Number	Size Inches	Projection Inches	Grip Number	Center to Center Inches	Material				
162162 A162162 B162162 163162 A163162 B163162	162 162 162 162 162 162	348 348 348 348 348 348	162000 A162000 B162000 163000 A163000 B163000	15x3 18x3½ 20x4 15x3 18x3½ 20x4	2½ 2½ 3 2½ 2½ 3	127 127 171 127 127 127	5 1/4 5 1/4 8 5 1/4 5 1/4 8 8	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze				

Packed each set in a box, complete with screws. Specify thickness of door.
These handles can be used with other locks having a lift type of operation on the latch bolt.
When ordering handles only, specify lock with which they are to be used.
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS



No. 180162 Newton Design



No. A180162 Newton Design

G .	Lock		One Pair Handles							
Set Number	Number	Page	Number	Size Inches	Projection Inches	Grip Number	Center to Center, Inches	Material		
180162 A180162	162 162	348 348	180000 A180000	15x3¼ 16x4	23/8 23/8	121	6	Cast Bronze Cast Bronze		

Packed each set in a box, complete with screws.

Specify thickness of door.

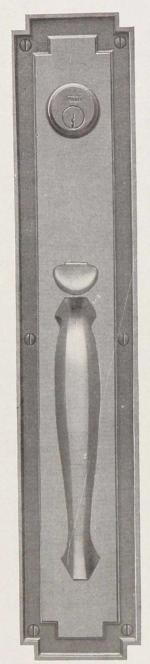
These handles can be used with other locks having a lift type of operation on the Latch Bolt.

When ordering handles only, specify lock with which they are to be used.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Illustrations One-third Size 267

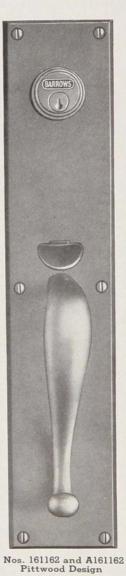
CAST BRONZE OR BRASS

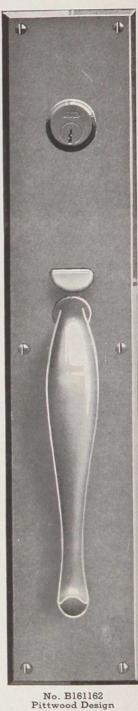


No. 167162 Olympia Design



No. 164162 Charlton Design

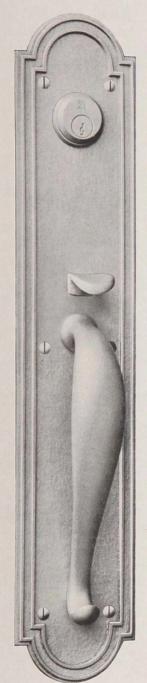




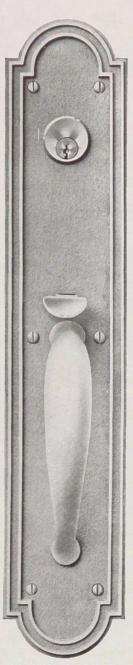
	Lock		One Pair Handles								
Set Number	Number	Page	Number	Size Inches	Projection Inches	Grip Number	Center to Center Inches	Material			
161162 A161162 B161162 164162 167162	162 162 162 162 162	348 348 348 348 348	161000 A161000 B161000 164000 167000	15 x3 18 x3½ 20 x4 1758x358 18 x3½	2½ 2½ 3 2¾ 2¾ 25%	127 127 171 162 111	5 1/4 5 1/4 8 5 1/2 6 3/4	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze			

Packed each set in a box, complete with screws. Specify thickness of door.
These handles can be used with other locks having a lift type of operation on the Latch Bolt.
When ordering handles only, specify lock with which they are to be used.
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

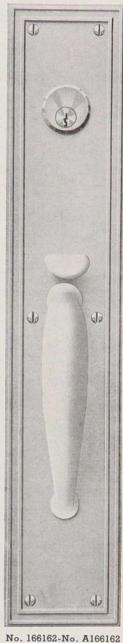
CAST BRONZE OR BRASS



No. B165162 Rumford Design



No. 165162-No. A165162 Rumford Design



No. 166162-No. A166162 Type B166162 Manchester Design

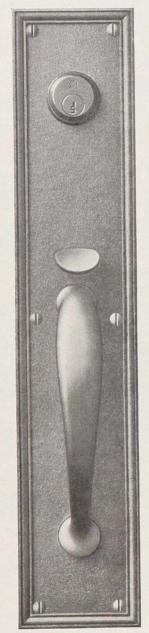
Set	Loc	Lock		One Pair Handles								
Number	Number	Page	Number	Size Inches	Projection Inches	Grip Number	Center to Center, Inches	Material				
165162 A165162 B165162 166162 A166162 B166162	162 162 162 162 162 162	348 348 348 348 348 348	165000 A165000 B165000 166000 A166000 B166000	15x3 18x3½ 20x4 15x3 18x3½ 20x4	2½ · · · · · · · · · · · · · · · · · · ·	160 161 171 160 161 171	5½ 5½ 5½ 5½ 5½ 8	Cast Bronze				

Packed each set in a box, complete with screws. Specify thickness of door.

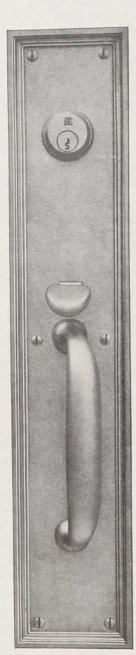
These handles can be used with other locks having a lift type of operation on the Latch Bolt. When ordering handles only, specify lock with which they are to be used.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

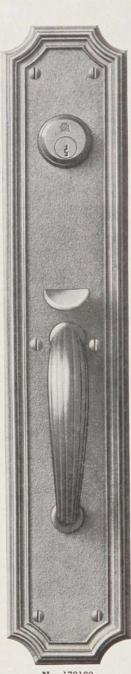
CAST BRONZE OR BRASS



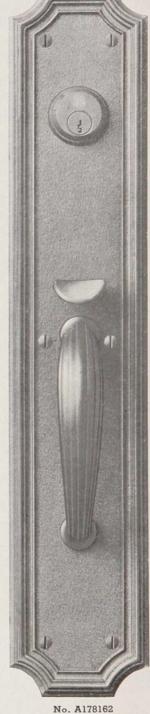
No. 176162 Hampton Design



Nos. 169162 and A169162 Quincy Design



No. 178162 Stockbridge Design

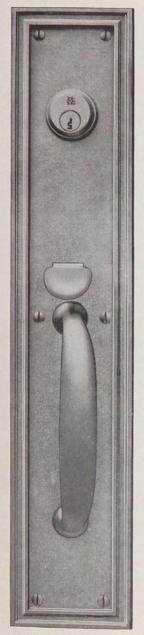


No. A178162 Stockbridge Design

	Lock		One Pair Handles							
Set Number	Number	Page	Number	Size Inches	Projection Inches	Grip Number	Center to Center Inches	Material		
169162 A169162 176162 178162 A178162	162 162 162 162 162	348 348 348 348 348 348	169000 A169000 176000 178000 A178000	18x3½ 20x4 18x3½ 18x3½ 20x4	23/8 23/8 23/4 23/4 23/4	152 152 161 130 131	53/4 53/4 57/8 53/4 53/4	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze		

Packed each set in a box, complete with screws. Specify thickness of door. These handles can be used with other locks having a lift type of operation on the Latch Bolt. When ordering handles only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

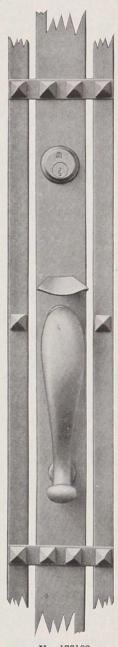
CAST BRONZE OR BRASS



Nos. 170162 and A170162 Milton Design



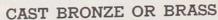
Nos. 168162 and A168162 Tours Design

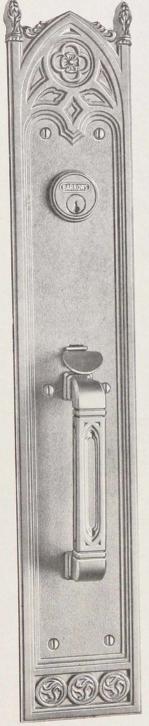


No. 175162 Ventura Design

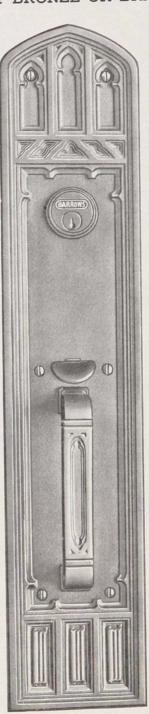
Set	Loc	Lock		One Pair Handles							
Number	Number	Page	Number	Size Inches	Projection Inches	Grip Number	Center to Center, Inches	Material			
168162 A168162 170162 A170162 175162	162 162 162 162 162 162	348 348 348 348 348	168000 A168000 170162 A170162 175162	18x3½ 20x4 18x3½ 20x4 24x4	2 ¼ 2 ¼ 2 ¼ 2 ¼ 2 ¼ 2 ¼ 2 ¼	152 152 152 152 152 165	53/4 53/4 53/4 53/4 57/8	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze			

Packed each set in a box, complete with screws. Specify thickness of door. These handles can be used with other locks having lift of operation on the Latch Bolt. When ordering handles only, specify lock with which they are to be used. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

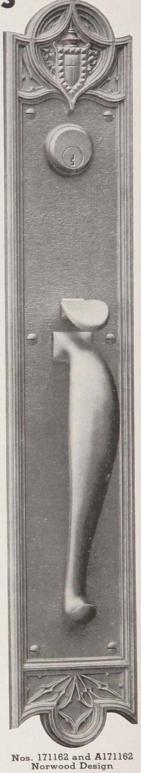




No. 196162 Canterbury Design



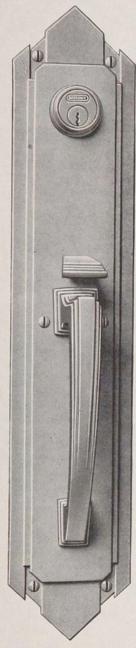
Nos. 185162 and A185162 Wakefield Design



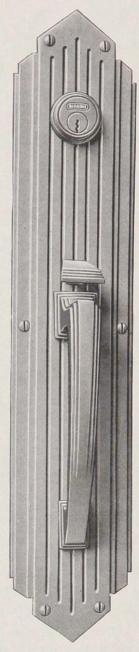
Set Number	Loc	Lock		One Pair Handles								
	Number	Page	Number	Size Inches	Projection Inches	Grip Number	Center to Center, Inches	Material				
171162 A171162 185162 A185162 196162	162 162 162 162 162	348 348 348 348 348	171000 A171000 185000 A185000 196000	18 x3 21 ½x3¾ 19 ½x4 24 ¼x4 20¾x35/8	23/4 3 21/4 21/4 25/8	170 171 156 157 157	67/8 8 5 61/2 61/2	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze				

Packed each set in a box, complete with screws. Specify thickness of doo having a lift type of operation on the Latch Bolt. When ordering handles on Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify thickness of door. These handles can be used with other loc When ordering handles only, specify lock with which they are to be used. These handles can be used with other locks

CAST BRONZE OR BRASS



No. 191162 Nilwood Design



No. 192162 Roswell Design

Set Number	Lock		One Pair Handles					
	Number	Page	Number	Size Inches	Projection Inches	Grip Number	Center to Center Inches	Material
191162 192162	162 162	348 348	191000 192000	18x3½ 18x3½	25/8 25/8	181 181	6 6	Cast Bronze Cast Bronze

Packed each set in a box, complete with screws.

These handles can be used with other locks having lift type operation on the latch bolt.

When ordering handles only, specify lock with which they are to be used.

Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes

LOCK SECURITY

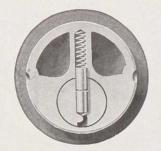


Fig. 1
Position of Pin Tumblers
when Key is withdrawn.

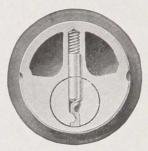


Fig. 2
Position of Pin Tumblers
when Key is inserted.

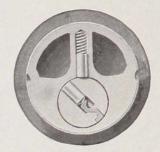
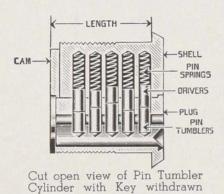
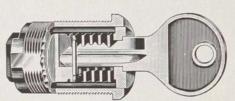


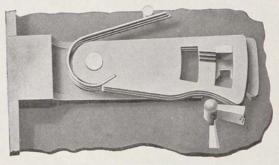
Fig. 3
Key inserted aligning Pin
Tumblers, permitting Plug
to revolve.







Disc Tumbler Lock



Lever-Tumbler Lock

The protection desired determines the type of locking mechanism required. When a lock is purchased, security against lock picking, interchange of keys and strength should be considered. The general appearance of a lock does not indicate the protection it affords, as there are many locks which have the appearance of being strong and secure but which have very limited security due to the type of locking mechanism. Some locks are easy to pick because of the limited possibility of key changes.

The standard **Pin Tumbler Cylinder** is constructed of a 1½-inch diameter brass cylindrical **Shell** threaded to screw into a lock, or with a bar, usually flat, to insert into a night latch. The **Shell** is drilled eccentrically to receive a cylindrical rotating, precision fitting **Plug**. The **Shell** and **Plug** have chambers drilled in perfect alignment with each other. The shell chambers contain the **Springs**, **Follower Pins** (drivers) and **Pin Tumblers** which are forced into the **Plug** chambers by the springs. A perfectly fitting key, cut so as to align the juncture of the **Pin Tumblers** and **Follower Pins** with the intersection of the shell and plug must be inserted in the **Plug** to rotate the **Plug**. The **Cam** or bar at end of plug rotates and operates the lock mechanism. The length required of the cylinder is determined by the combined thickness of the door and lock trimming. The number of different key changes possible in pin tumbler cylinders is practically unlimited, therefore duplications are almost impossible, making

LOCK SECURITY, Cont.

this the most difficult type of lock to pick. **Do not use oil** in pin tumbler cylinder. If key or plug does not operate freely, use graphite.

The **Disc Tumbler Cylinder** is identical in appearance with the pin tumbler cylinder and has the same construction and operation, but instead of having pin tumblers, it has a number of flat disc tumblers which permit only a limited number of key changes and reasonable security. It can be master-keyed in a limited number of changes.

Lever Tumblers (secure lever). One or more flat pieces of steel with different variations of lengths of lips in center of opening, which must correspond to bittings of cuts of a key which aligns the tumblers, permitting the sliding of the bolt or latch. One-tumbler locks offer very limited security, while three or more tumblers offer security almost equal to the pin tumbler.

Warded Locks have fixed wards or ribs cast in lockcase, which stop the rotating of a key unless it is grooved so as to pass the wards. Warded locks offer very limited security and should not be selected for special key work or where real security is desired.

LOCK PICKING

You probably have read a good deal about lock picking in stories and newspaper accounts of burglaries, and have wondered what security you can have against such form of entry. There is a great deal of misconception on this subject. No lock having a keyhole has ever been invented that is absolutely proof against picking, but lack of protection may be minimized by the proper selection of High Grade Locks.

Locks of the warded type, previously described herein, can be picked with the simplest tools and with little skill. They are useful in some places where the danger of picking is remote, but they afford little real security, especially in view of their limited number of key changes and the resulting liability of their being opened by keys of other locks and by skeleton keys.

Disc-tumbler locks can be made difficult to pick, although if not carefully constructed they are easily opened with simple tools. They do not have great capacity for key changes, which means that interchange of keys is also likely.

Lever-tumbler locks of the better grades are very secure against picking, their resistance to it depending upon their construction and number of tumblers. The difficulty of picking them increases greatly with the increase in the number of tumblers. However, in this type also the possibility of being opened by other keys exists.

An extremely high degree of security against picking is attained in the pin-tumbler lock. The difficulties of picking this lock are greatly increased by the irregular design of the keyway. This characteristic of the higher grade pin-tumbler locks makes the use of picking tools extremely difficult and makes this type of lock practically unpickable except by the most skilled expert equipped with special and very delicate tools.

For the protection of your home or other valuable property use pin-tumbler locks.

FIRE UNDERWRITERS' REQUIREMENTS

FOR UNDERWRITERS' LABELED SWINGING HOLLOW METAL AND METAL CLAD PANELED KALAMEIN FIRE DOORS

We have prepared for your convenience the following schedule and data which are subject to the approval of the authorities having jurisdiction.

For Hardware that is listed for use on Labeled Doors, refer to the latest "Underwriters' Laboratories List of Inspected Fire Protection Appliances" and "Regulations of the National Board of Fire Underwriters for the Protection of Openings in Walls and Partitions against Fire."

Hardware for Hollow Metal and Kalamein Fire Doors in Class B, C, D, or E Situations, not over 8 feet in height.

BUTTS—. 134 ga. steel 4½"—Full Mortise, Half Surface or Full Surface see note 1. or .180 ga. bronze $4\frac{1}{2}$ "—Full Mortise—see note 1.

*DOOR CLOSERS—Self-Closing or Heat Actuated (Fusible Link) Type

LOCKS—Single point Latch with ¾" throw;— Nos. 235, 9235, 236, 9236, 237, 9237, 992, 9992, 993, 9993, 997 and 9997.

Nos. 956, 957, 958 and 959 Three Point Lock.

BUTTS—.134 ga. steel 4½"—Full Mortise, Half Surface or Full Surface—see note 1. or .180 ga. bronze 4½"—Full Mortise—see note 1. *DOOR CLOSERS—Self-Closing or Heat Actuated (Fusible Link) Type—see note 2.

ACTIVE DOOR—Single point Latch with 3/4" throw;—
(VON DUPRIN No. 223/4, 243/4, NL243/4 and 24303/4
when used with Types B², VI, and X.

INACTIVE DOOR—Top and Bottom Throw or Self-Latching Bolts;—
(VON DUPRIN No. 11273/4B², 611273/4V and
231273/4X.)

Co-ordinator or Interference Device (VON DUPRIN No. 1243 x 1244) see note 3

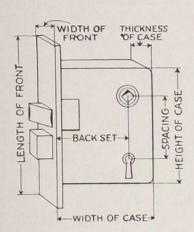
UNDERWRITERS' CLASSIFICATION AND MAXIMUM SIZE OF OPENINGS THAT MAY BE EOUIPPED WITH LABELED DOORS

Classification	I tion of Oin	Hollow Metal Doors		Kalamein Doors	
Classincation	Location of Openings	Single, Feet	In Pairs, Feet	Single, Feet	In Pairs, Feet
Class "A" Situations	In Fire Walls	4 x 10	8 x 10	Cannot b	pear Label
Class "B" Situations Class "C" Situations Class "D" Situations Class "E" Situations	In Vertical Shafts. In Corridor and Room Partitions In Exterior Walls (Severe Fire Exposure) In Exterior Walls (Moderate Fire Exposure)	4 x 10	8 x 10	4 x 10	8 x 10
Class "E" Situations Class "E" Situations	To Exterior Fire Escapes (Severe Fire Exposure) To Exterior Fire Escapes (Moderate Fire Exposure)	4 x 10	6 x 10	4 x 10	6 x 10

Notes referred to in above:

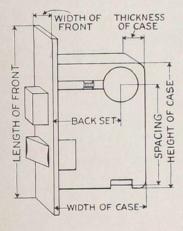
- SPACING OF BUTTS—Doors not exceeding 5 feet in height are to be provided with at least two butts. Doors over 5 feet in height are to be provided with one butt for each 2½ feet in height or fraction thereof. BRONZE BUTTS can be used only when jamb of the frame is provided with a steel stud and rear edge of door with a steel socket or vice versa. One stud and socket to be provided for each butt.
- DOOR CLOSERS—It is essential to determine from local authorities the exact type of Closing Mechanism which is considered satisfactory for a particular installation.
- CO-ORDINATORS or INTERFERENCE DEVICES are not specifically mentioned in the Underwriters' Listings, but are considered as a part of the Inactive Door Hardware and deemed necessary so as to assure the closing of the inactive door first.
- 4. SURFACE APPLIED HARDWARE is to be secured to Kalamein Doors by bolting through door; to Hollow Metal Doors with Machine Screws into steel reinforcements on the inside of door stiles or rails.
- 5. DOORS EQUIPPED WITH ONLY PULLS AND PUSH PLATES (without latch) are not approved and will not bear Underwriters' Label. Certificate may be obtained should doors be constructed to Underwriters' specifications.
- OVERLAPPING ASTRAGALS are required on both sides of doors in pairs in Class A Situations and on one side only of doors in pairs in Class B, C, D, or E Situations.
- 7. THE ULTIMATE PURPOSE of Hardware required for Underwriters' Labeled Fire Doors is to assure that doors will close and latch and remain so during Fire Exposure.

LOCK MEASUREMENTS



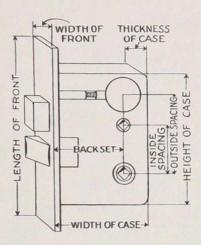
Bit Key Inside Locks Bit Key Front Door Locks

Spacings of Bath and Communicating Locks are measured from centers of knob hub and turn knob hub.



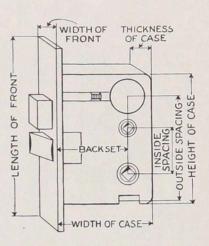
Cylinder Entrance Lock with two handles.

The spacing of Bit Key Handle Entrance Locks is measured from center of round part of key hole to bottom of lift.



Cylinder Knob Front Door Locks.

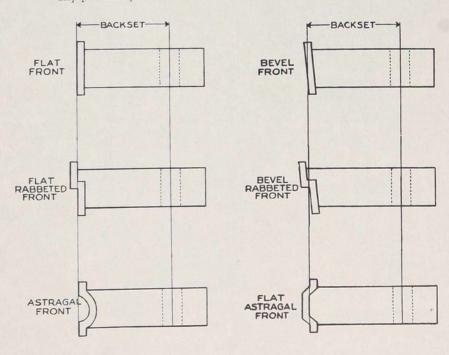
Inside spacing of Cylinder Knob Front Door Locks with turn knob discs is measured from center of knob hub to center of disc spindle hole.



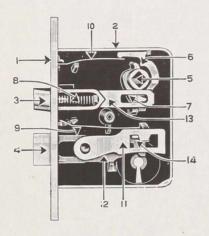
Cylinder Entrance Locks with Handle outside and Knob Trim Inside.

Inside spacing of Cylinder Entrance Locks with Turn Knob discs is measured from center of Knob Hub to center of disc spindle hole.

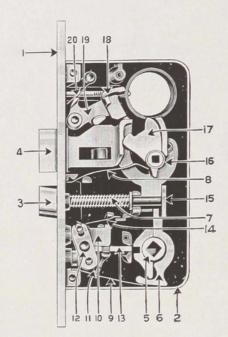
POINTS FROM WHICH BACKSETS ARE MEASURED When ordering Rabbeted Front Locks, give both the short and long side measurements, so as to eliminate any possibility of errors.



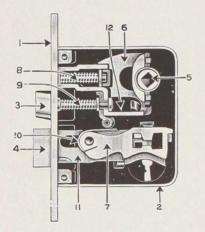
LOCK PARTS



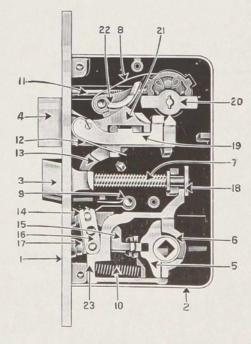
- 1. Front.
 2. Case.
 * 3. Latch Bolt.
 † 4. Dead Bolt.
 5. Knob Hub.
 6. Knob Hub Lever.
 7. Specify Part 5.
 8. Latch Spring.
 9. Tumbler Spring.
 10. Knob Hub Lever Spring.
 11. Tumbler.
 † 12. Dead Bolt Tail Piece, Specify No. 3.
 * 13. Latch Bolt Tail Piece, Specify No. 3.
 14. Specify Part 12.
 15. Cap—Not illustrated.
 16. Bit Key—Not illustrated.
 * Parts 3 and 13 are one piece.
- *Parts 3 and 13 are one piece. †Parts 4 and 12 are one piece.



- 1. Front.
 2. Case.
 3. Latch Bolt.
 † 4. Dead Bolt.
 5. Top Knob Hub, Bottom Knob Hub.
 6. Knob Hub Lever.
 7. Latch Bolt Spring.
 8. Turn Knob Hub Spring.
 9. Knob Hub Lever Spring.
 10. Top Stop.
 11. Bottom Stop.
 12. Stop Link.
 13. Interior Knob Stop.
 14. Stop Spring.
 *15. Latch Bolt Tail Piece, Specify Part 3.
 16. Draw Back.
 17. Turn Knob Hub.
 18. Cylinder Set Screw.
 19. Draw Back Lever.
 20. Draw Back Lever Spring.
 21. Cap—Not illustrated.
 22. Cylinder and Keys—Not illustrated.
 23. Strike—Not illustrated.
- trated.
 23. Strike—Not illustrated.
- *Parts 3 and 15 are one piece.



- 1. Front.
 2. Case.
 3. Latch Bolt.
 4. Dead Bolt.
 5. Knob Hub.
 6. Draw Back.
 7. Tumbler.
 8. Draw Back Spring, Bar and Washer.
 9. Latch Bolt Spring, Specify No. 3.
 10. Tumbler Spring.
 11. Dead Bolt Tail Piece.
 12. Specify Part 6, One Piece.
 13. Cap—Not illustrated.
 14. Bit Key—Not illustrated.
 15. Strike—Not illustrated.



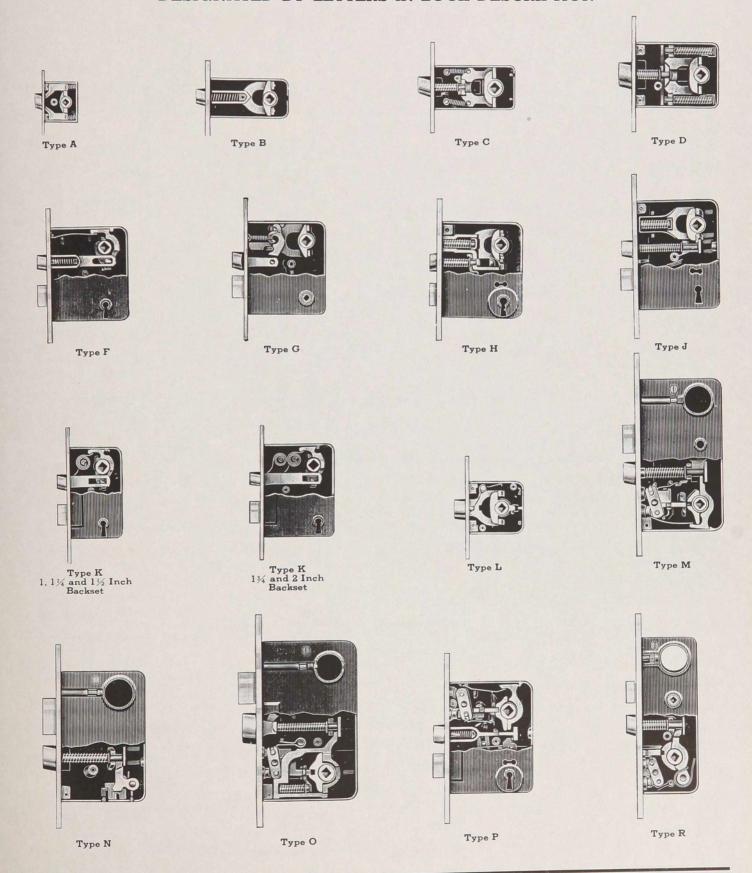
- 1. Front.
 2. Case.
 * 3. Latch Bolts.
 † 4. Dead Bolt.
 5. Top Knob Hub.
 6. Bottom Knob Hub.
 7. Latch Bolt Spring.
 8. Draw Back Spring.
 9. Top Stop Spring.
 10. Draw Back Spring, Bar and Washer.
 11. Cylinder Set Screw.
 12. Tumbler Spring.
 13. Draw Back Lever.
 14. Top Stop, One Piece.
 15. Top Stop, One Piece.
 16. Stop Link.
 17. Bottom Stop.
 *18. Latch Bolt Tail Piece.
 19. Tumbler.
 20. Turn Knob Cam.
 †21. Dead Bolt Tail Piece.
 22. Draw Back.
 ‡23. Specify Part 6.
 24. Cap—Not illustrated.
 25. Cylinder and Keys—Not illustrated.
 *Parts 3 and 18 are one piece.
- *Parts 3 and 18 are one piece.
- †Parts 4 and 21 are one piece.
- Parts 6 and 23 are one piece.

*Parts 3 and 9 are one piece. †Parts 4 and 11 are one piece.

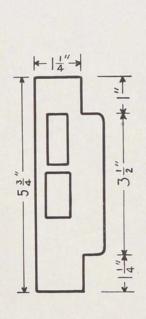
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SPRING CONSTRUCTION OF LOCKS AND LATCHES

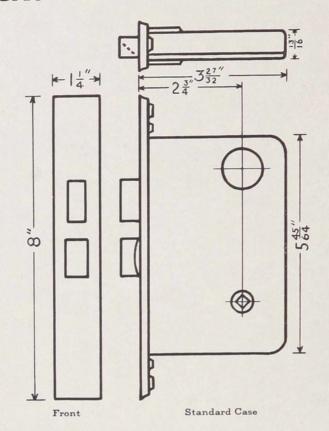
DESIGNATED BY LETTERS IN LOCK DESCRIPTION



MORTISE LOCKS "TO TEMPLATE"







MORTISE CYLINDER LOCKS

The locks described below are Standardized Mortise Cylinder Locks which conform to the U.S. Standards adopted by the Hollow Metal Association. All locks have uniform case size, thickness, backset and strike, making it possible to provide one standard mortise for all locks listed below.

Case 6"x378"x 136", Front, flat 8"x114", Strike, flat 534"x114" x lip height 31/2". Regular length of lip, center of opening to end of lip, 118 inches. Length of lip determined by jamb detail, measured from center of bolt opening to end of lip. Metal door manufacturers usually build box for strike, but if box strike is required, so specify on order.

Spacing—All knob locks in this series have same spacing. All entrance handle locks have same spacing, but different from knob locks. **Backset**— $2\frac{3}{4}$ ".

Front and strike are furnished with 1/2"x12-24 flat head machine screws.

Mortise Knob Latches

	MOFUSE IXIOD DATCHES	4
Number	Description of Operation	Page
9241 9235 9236	Latch Bolt By Knobs from both sides Latch Bolt By Knobs from both sides—¾ inch throw. Latch Both By Knobs from both sides, Auxiliary Latch Bolt—¾ inch throw.	290 293 293
	Mortise Cylinder Latch	
9237	Latch Bolt By Key from outside, Auxiliary Latch Bolt—¾ inch throw	294
	Mortise Dead Lock	
91291 91292 91293	Dead Bolt By Key, one side. Dead Bolt By Key, one side, Turn Knob other side. Dead Bolt By Key from both sides.	369 369 369

MORTISE CYLINDER LOCKS, Con't.

Mortise Entrance Door Locks for Handles

Number	Description of Operation	Page
9490 9491 9492 9492 V 9493 9495 9495 V	Handles, both sides, Latch Bolt By Thumb Pieces and Dead Bolt By Key both sides. Handles, both sides, Latch Bolt By Thumb Pieces and Dead Bolt By Key, both sides, hold back feature. Handles, both sides, Latch Bolt By Thumb Pieces and Dead Bolt By Key, both sides with stop works. Handles, both sides, Latch Bolt By Thumb Pieces only, By Key outside. Handles, both sides, Latch Bolt and Dead Bolt By Key, outside Turn Knob inside. Handle outside, Knob inside, Latch Bolt and Dead Bolt by key. Handle outside, Knob inside, Latch Bolt only, By Key outside.	352 352 350 351 350 344 345

Mortise Locks with Dead Bolt and Latch Bolt for Knobs

9890 9891	Latch Bolt By Knobs both sides, Dead Bolt By Key and Knob, stopworkLatch Bolt By Knobs both sides, Dead Bolt By Key and Turn Knob.	
9892	Latch Bolt By Knobs both sides, Dead Bolt By Key both sides.	

Mortise Locks with Latch Bolt Only

9890V 9990 9992 9993 9996	Latch Bolt By Knobs both sides, stopworks in front, Auxiliary Latch Bolt. Latch Bolt By Knobs, both sides, stopworks in front, 3/4" throw. Latch Bolt By Knobs both sides, stopworks in front, Auxiliary Latch, 3/4" throw. Latch Bolt By Knobs, outer Knob set by inside cylinder Auxiliary Latch Bolt.	357
9993	Latch Bolt By Knobs both sides, stopworks in front, Auxiliary Latch, 34" throw	

Mortise Emergency Lock

9980 9981 9985	Latch Bolt By Knobs both sides, Key outside, Stopworks By Inside Cylinder Latch Bolt By Handle outside, Knob inside at all times. Latch Bolt By Handle outside, Knob inside at all times, holdback feature. Handles both sides. Handles both sides, holdback feature.	359 359 360
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REGULAR LOCKS AND MISCELLANEOUS ITEMS "TO TEMPLATE"

Specify when regular locks, latches or miscellaneous items are required to be made "to template." A blue print showing exact measurements will be furnished covering the particular requirements. If physical templates are required they will be furnished unfinished and charged for at one-half the price of the regular finished item.

Locks and latches "to template" should be specified with box strikes in order to cover the unfinished appearance of the metal jamb, unless metal door manufacturer has furnished built-in box.

Templates, Strikes and Machine Screw Symbols

Use the following symbols, whenever possible, as a suffix to lockset numbers

Symbol

-Packed with machine screws, not made to template. MS

—To template and with machine screws. TMS

—Cast box strike, furnished only when specified. CBS —Wrought box strike, furnished only when specified. **WBS** —Template strike only, with machine screws. TSMS —Template cast box strike, with machine screws. **TCBSMS** —Template wrought box strike, with machine screws. **TWBSMS**

Template hardware packed with wood screws, use letter "W" in place of letter "M".

MORTISE LOCKS AND LATCHES

ARRANGED BY TYPES AND BACKSETS

Regular Backset Inches	Special Backset Inches	Type of Lock and List Number	Case Size Inches	Front Size Inches
2½ 2½ 2½	*23/4	Locks, Communicating, Turn Knob, for Knobs, Flat Front 977. 987. *Add 5% inches to Special Backset for width of case.	35/8x3 ¹ / ₄ x ¹¹ / ₁₆ 4 ¹ / ₄ x3 ³ / ₈ x ⁵ / ₈	5½xl 6¼xl½
21/2	.1	Locks, Bit Key, for one Knob and one Handle, Flat Front 261 and 263	4½x3¼x¾	6 xl
21/2		Locks, Turn Knob, for one Knob and one Handle, Flat Front 267	4½x3¼x¾	6 xl
21/2		Locks, Bit Key By Turn Knob, for Knobs, for Bathroom Doors, Flat Front 973 and 973MK	53/8x33/8x5/8	73/4×11/16
21/2		Locks, Bit Key By Turn Knob, for Knobs, for Bedroom Doors, Flat Front 983 and 983MK	4½x3¼x5/8	6¼xl
2½		Locks, Bit Key By Turn Knob, for Knobs, for Hotel Corridor Doors, Flat Front 574	53/8x33/8x5/8	73/8x11/16
2½		955, 955DK and 955EK Locks, Bit Key Both Sides, for Knobs, for Hotel Corridor Doors, Flat Front	6 x3½x ¹³ / ₁₆	77/8x11/8
2½		855, 855DK and 855EK Locks, Bit Key for Knobs, for Hotel Interior Room Doors, Flat	6 x3½x ¹³ / ₁₆	77/8x11/8
21/2		Front 814 Locks, Bit Key By Turn Knob, for Knobs, for Hotel Bathroom	4 ¹ / ₄ x3 ³ / ₈ x ¹³ / ₁₆	6½x1⅓
21/2		Locks, Flat Front 924. Locks, Bit Key for Knobs, for Hotel Communicating Doors,	5½x33/8x ¹³ / ₁₆	7¼x1⅓
2½		Flat Front 934	6 x3½x ¹³ / ₁₆	77/8x1 1/8
2½ 2½ 2½ 2½		Locks, Cylinder, for Knobs, for Hotel Corridor Doors, Flat Front 564 and 565	5 x33/4x ¹¹ / ₁₆ 57/8x31/2x3/ ₄ 61/8x33/8x7/ ₈	7 xl 73/4xl 1/8 8 xl 1/4
21/2		Locks, Cylinder, for Knobs, for Apartment Entrance Doors, Flat Front 867, 867N and 867½N. No. 867N and 867½N have 7¾"x1" fronts		
21/		Locks, Bit Key, for Knobs, for Front Entrance Doors, Flat Front	0/840/24/4	19411/8
2½		461, P461, 463 and P463. Locks, Bit Key, for Knobs, for Vestibule Doors, Flat Front	4 ¹ / ₄ x3 ¹ / ₂ x ³ / ₄	6½x1½
2/2		461V, P461V, 463V and P463V Locks, Cylinder, for Knobs, for Front Entrance Doors, Flat Front	4 1/4 x 3 1/2 x 3/4	6½x1½
1 ½ 2½	*1-1 1/4-1 3/4	*Add %-inch to Special Backsets for width of case.	55/8x23/8x3/4	75/8x13/16
2½ 2½ 2½ 2¾ 2¾ 2¾	*2 *2 *2 <u>*</u> 4	448. 340, 340½, 342, 350, 350½ and 352. 340N, 340½N, 342½N and 350N. 540, 540½, 542, 663 and 664. 890 and 9890. *Add 1 inch to Special Backsets for width of case.	578x31/x5/8 5 x31/x3/4 5 x31/x3/4 578x33/4x3/4 6 x37/8x ¹³ /6	73/4x1/8 73/4x1/8 73/4x1 77/8x1/8 8 x1/4
l½xl	*13/4x11/4	Locks, Cylinder, for Knobs, for Front Entrance Doors, Rab- beted Front	E54m224 24	75/ 19/
1/2x2 3/4x21/4		*Add 1%-inch to Special Backsets for width of case. 340R, 3401/2R and 342R.	55/8x23/8x3/4 57/8x31/2x3/4	75/8x13/16 73/4x1 1/8
11/2	*1-1 1/4-1 3/4	B90R. Locks, Cylinder, for Knobs, for Vestibule Doors, Flat Front 445V. *Add 7/8-inch to Special Backsets for width of case.	6 x37/8x ¹³ / ₁₆ 55/8x23/8x3/ ₄	8 xl ¹ / ₄ 75/8xl ³ / ₁₆

MORTISE LOCKS AND LATCHES, Cont.

ARRANGED BY TYPES AND BACKSETS

Regular Backset Inches	Special Backset Inches	Type of Lock and List Number	Case Size Inches	Front Size Inches
2 ½ 2 ½ 2 ½ 2 ¾ 2 ¾	*2 ¼ *2 ¼	448V	57/8x3½x5/8 57/8x3½x3/4 4¼x33¼x3/4 57/8x3¾x3/4	73/4x7/8 73/4x11/8 61/4x11/8 77/8x11/8
23/4 11/2		890V, 892V, 892½V, 895V and 9890V	6 x37/8x ¹³ / _{lf} 55/8x2 ³ / ₈ x ³ / ₄	8 xl ¹ / ₄ 75/8xl ³ / ₁₆
2½x2 2¾x2¼ 1½x1	*13/4×11/4	Locks, Cylinder, for Knobs, for Vestibule Doors, Rabbeted Front 340VR 890VR 445VR	578x334x34 6 x378x ¹³ / ₁₆ 558x238x34	8½xl ⁵ / ₁₆ 878xl ³ / ₈ 758xl ³ / ₁₆
1 1 1 1/4 1 1/2 1 1/2 1 1/2	*1½-1¾-2 *1¼-1¾-2	Latches, for Knobs, Flat Front 202. 214. P203 and 203. 212. 215. 222. *Add ¾-inch to Special Backsets for width of case.	1 ½x1 3/8x7/6 23/8x1 3/4x9/6 15/6x1 7/8x½ 1 3/4x2 x9/6 2 x2 ½x11/6	
2½ 2½ 2½ 2½ 2¾ 234 234 234	1 ½-1 ¾-2-2 ¾-3 *2 ¾	*Add 7%-inch to Special Backsets for width of case. 200 and P200. No. P200 has 3 1/4" x 7/8" front. 220. 210. 230. 241 and 9241. 235, 236, 9235 and 9236.	1 ½x3 ¼x ⁹ / ₁₆ 1 ¾x3 ¾8x ⁹ / ₁₆ 2 x3 ¾8x ¾ 2 ½x3 ¾8x ¾ 6 x3 ½8x ¹³ / ₁₆ 6 x3 ½8x ¹³ / ₁₆	
13/8x1 17/8x1½ 2 x1½ 2 x1½ 2½x2 23/4x2¼		Latches, for Knobs, Rabbeted Front 202R. 212R. 215R. 222R. 210R. 230R.	1 ½x1 3/8x ⁷ / ₆ 1 ¾x2 x9/ ₆ 2 x2 ¼x ¹¹ / ₆ 2 x2 ¼x ¹¹ / ₆ 2 x2 ¼x ¹¹ / ₆ 2 x3 3/8x 5/8 2 ½x3 3/8x 3/ ₄	
2½	*2-3	Latches, for Handles, Flat Front 273 *Add 1 1/8 inches to Special Backsets for width of case.	23/8x35/8x3/4	43/8x1 1/8
2½x2		Latches, for Handles, Rabbeted Front 273R	23/8x35/8x3/4	43/4x11/8
2½ 2½		Latches, for One Knob and One Handle, Flat Front 274	3 ³ / ₆ x3 ¹ / ₄ x ³ / ₄ 3 ¹ / ₄ x3 ⁵ / ₈ x ³ / ₄	43/4xl 51/4xl 1/8
23/4		Latches, Exit, for Knobs, Flat Front 280 and 281	. 4 x37/8x ¹³ / ₁₀	6 xl 1/4
23/4		Latches, Mortise Exit, for One Knob and One Handle, Flat Front 234		6 x11/4
2½ 2¾ 2¾ 2¾		. 336, 337, 338 and 339	. T/8AU74A74	
2½x2			. 35/8x33/8x3/4	6 xl ½
1 ½ 1 ½ 2 3/8 2 ½ 2 ½	*1-174-13/4-2 *13/4-2 *2	831, 833 and 833MK	35/8x3 ¹ / ₄ x5/8 35/8x3 ¹ / ₄ x5/8 35/8x3 ¹ / ₄ x5/8	6 6 1/4 x 1 1/16 5 1/4 x 78 5 1/2 x 1 5 1/2 x 1
2½ 2½	*23/4	851, 853 and 853MK	35/8x3 ¹ / ₄ x5/8 4 ¹ / ₄ x3 ⁵ / ₁₆ x5/8	5½x1½ 6½x1

MORTISE LOCKS AND LATCHES, Cont.

ARRANGED BY TYPES AND BACKSETS

Regular Backset Inches	Special Backset Inches	Type of Lock and List Number	Case Size Inches	Front Size Inches
2½ 2½ 2½ 2¾ 3	*23/4	841, 843 and 843MK. 873 and 873MK. 893 and 893MK. 703 and 703MK. *Add 7/8-inch to Special Backsets for width of case.	4 1/4 x 3 3/8 x 5/8 5 x 3 3/4 x 5/8	6½xl 6¼xl⅓ 7¼xl⅓ 7¼xl⅓ 7⅓xl⅓
1½x1 1½x1 2½x2 2½x2	*134x114-2x112 *134x114-2x112 *2x112 *2x114	Locks, Bit Key, for Knobs, Rabbeted Front P421R, P421RS, 421R, 421RS, 423R and 423RMK. 523R and 523RMK. 831R, 833R and 833RMK. *Add ¾-inch to Special Backsets for width of case. 873R and 873RMK. *Add ¼-inch to Special Backsets for width of case. †Nos. P421RS and 421RS have ¾-inch rabbet.	35/8x2 ¹ /4x ⁹ /6 4 ¹ /4x2 ¹ /4x ¹¹ / ₁₆ 35/8x3 ¹ /4x5/8 4 ¹ /4x3 ³ /8x5/8	55/8x7/8 7 xl1/8 67/8xl 7 xl1/8
1½ 1½ 2¾ 2½ 2½ 2½	*134-2 *134-2 *234	Locks, Turn Knob, for Knobs, Flat Front P427 and 427. 527. *Add 34-inch to Special Backsets for width of case. 837 and P637. 827 and 937. 877. *Add 76-inch to Special Backsets for width of case.	35/8x21/4x9/6 41/4x21/4x ¹¹ /6 35/8x31/4x5/8 35/8x31/4x5/8 41/4x33/8x5/8	5½x½8 6½x1½6 5½x½8 5½x1 6½x1½8
l½xl l½xl 2½x2	*134x114-2x112 *134x114-2x112 *234x214	Locks, Turn Knob, for Knobs, Rabbeted Front P427R, P427RS, 427R and 427RS. 527R *Add 34-inch to Special Backsets for width of case. 877R *Add 78-inch to Special Backsets for width of case.	35/8x2½x9/6 4¼x2¼x ¹¹ /6 4¼x33/8x5/8	55/8x7/8 7 xl1/8 7 xl1/8
21/2		Locks, Cylinder Dead Locking, for Knobs, for Grade and Rear Entrance Doors, Flat Front	4½x3½x5/8	6½x7/8
2½ 2¾ 2¾ 2¾	2½	Locks, Cylinder, for Knobs, for Office Entrance Doors, Flat Front 378 891, 892, 990, 992, 993, 994, 9891, 9892, 9990, 9992 and 9993 347	57/8x31/2x3/4 6 x37/8x ¹³ / ₁₆ 5 x33/4x3/4	73/4x11/8 8 x11/4 7 x11/8
23/4x21/4 23/4		Locks, Cylinder, for Knobs, for Office Entrance Doors, Rabbeted Front 891R and 892R Locks, Bit Key, for One Entrance Handle and One Knob, Flat Front	6 x37/8x ¹³ / ₁₆	87%x13%
2 ½ 2 ½	*2-2¾	Locks, Cylinder, Front, for One Entrance Handle and One Knob, Flat Front 177, 177½ and 177N. No. 177N has 7¾"x1" Front. 167, 167½ and 167N. No. 167N has 7¾"x1" Front. *Add 1 inch to Special Backsets for width of case.	4 ¼x35/8x3¼ 5 7/8x3 ½x3¼ 5 7/8x3 ½x3¼	6½xl½6 7¾xl½8 7¾xl½8
2½ 2¾		970. 495 and 9495.	57/8x31/2x5/8 6 x37/8x ¹³ / ₁₆	73/4×7/8 8 ×11/4
2½x2 2¾x2¼	*23/4 x 21/4	Locks, Cylinder, Front, for One Entrance Handle and One Knob, Rabbeted Front 177R. 495R. *Add 1 inch to Special Backsets for width of case.	578x31/2x3/4 6 x378x ¹³ /16	8½x1½6 878x138
2½ 2½ 2½ 2½ 2¾	2-23/ ₄ 2-23/ ₄	Locks, Cylinder, Vestibule, for One Entrance Handle and One Knob, Flat Front 970V 177V 167VN 495V and 9405V	578x3½x58 578x3½x34 578x3½x34 6 x378x ¹³ 16	734x78 734x118 734x1 8 x14

MORTISE LOCKS AND LATCHES, Cont.

ARRANGED BY TYPES AND BACKSETS

Regular Backset Inches	Special Backset Inches	Type of Lock and List Number	Case Size Inches	Front Size Inches
2½x2	*23/4x21/4	Locks, Cylinder, Vestibule, for One Entrance Handle and One Knob, Rabbeted Front 177VR. *Add 1 inch to Special Backsets for width of case.	578x3½x¾	8½x1½15/16
21/2		Locks, Bit Key, Entrance, for Two Handles, Flat Front	4½x35/8x3/4	6½x1⅓
2½x2		Locks, Bit Key, Entrance, for Two Handles, Rabbeted Front	4½x35/8x3/4	73/4x15/6
2½ 2½ 2½ 2½ 2¾	2¾-3-3¼-3½-3¾-4	Locks Cylinder Entrance for T. II. II.	5 x3½x7/8	7 x1¼ 7 x1¼ 7 x1¼
2½x2 2¾x2¼		Locks, Cylinder, Entrance, for Two Handles, Rabbeted Front 162R 490R, 491R, 492R and 493R.	5 x3½x ⁷ / ₈ 6 x3 ⁷ / ₈ x ¹³ / ₁₆	73/4x15/6 87/8x13/8
23/4		Locks, Cylinder, Vestibule, for Two Handles, Flat Front 492V and 9492V	6 x37/8x13/16	
23/4		Locks, Cylinder, Vestibule, for Two Handles, Rabbeted Front 492VR	6 x37/8x ¹³ / ₁₆	87/8x13/8
23/ ₄ 23/ ₄		Locks, Bit Key, Emergency, for Knobs, Flat Front 943, 943MK, 963, 963MK, 963¼ and 963¼MK 953, 953MK, 953H and 953HMK	5 x35/8x3/4 51/2x37/8x3/4	7 xl ½ 7½xl ½
23/ ₄ 23/ ₄		Locks, Cylinder, Emergency, for Knobs, Flat Front 860 and 861 994, 996, 997, 998, 9994, 9996 and 9997	5½x378x34 6 x378x ¹³ / ₁₆	7½x11/8
23/4		Locks, Cylinder, Emergency, for One Handle and One Knob, Flat Front 980, 981, 9980 and 9981	6 x37/8x ¹³ / ₁₆	8 xl 1/4
23/4		Locks, Cylinder, Emergency, for Two Handles, Flat Front 985, 986, 9985 and 9986	6 x37/8x13/16	8 xl 1/4
2½		Locks, Bit Key, Dead, for Class Rooms, Flat Front 1103 and 1103MK	33/8x33/8x5/8	53/8x11/16
23/4		Locks, Cylinder, Dead, for Class Rooms, Flat Front	37/8x33/4x7/8	57/8x11/4
2½ 2½ 2½ 2½ 2½	*2-23/ ₄ *2-23/ ₄	1221, 1223 and 1223MK	3 x33/8x3/4 21/8x31/4x5/8 21/8x31/4x5/8 3 x31/2x3/4	5 xl ¹ / ₁₆ 378xl 378xl ¹ / ₁₆ 5 xl ¹ / ₈
2½x2		Locks, Bit Key, Dead, Rabbeted Front	3 x33/8x3/4	5½x13/8
21/2		Locks, Bit Key, Dead, for Hotels, Flat Front	23/8x33/8x ¹³ / ₁₆	4½x1½
1	*1 ½	Locks, Cylinder, Dead, Flat Front 1131, 1133 and 1132* *Add 7%-inch to Special Backsets for width of case.	23/4x17/8x3/4	47/8x1
2½ 2½ 2½ 2½	*2½-2¾-3-3¾ *2-2¾-3-3½-4	1241	23/4x35/8x5/8 25/8x31/2x5/8 31/8x31/2x7/8	4½x7/8 45/8x1 5½x1¼
	*2-2½-2¾-3 *1¼-1½-1¾-2-2½	1121, 1122 and 1123		5½x½ 6½x½ 8 xl¼

DIMENSIONS

CASE

Japanned iron, $1\frac{1}{2}x1\frac{3}{8}x^{7}/_{6}$ inches. Flat, $2\frac{1}{2}x^{11}/_{6}$ inches. Rabbeted, $2\frac{5}{8}x1$ inches. Center of opening to end of lip $^{11}/_{6}$ inch. FRONT STRIKE

BACKSET Flat, 1 inch.

Rabbeted 13/8x1 inches. HUB Bronze, for spindle 3/16 inch.

LATCH 1/4 inch throw.

OPERATION

Latch Bolt, by knobs or lever handles from both sides.

REVERSIBLE-Type "A" Construction, Page No. 279

Number	Front	Bolt
202 202R	Cast Bronze Cast Bronze—3% inch—Rab.	Cast Bronze Cast Bronze

Packed 1/2 dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Japanned iron, $1^{5}/_{6}x1$ $7/_{8}x$ $1/_{2}$ inches. Flat, $25/_{8}x^{11}/_{6}$ inches. CASE FRONT

STRIKE Center of opening to end of lip 11/16 inch.

BACKSET 1 1/4 inches. HUB Iron, for spindle 5/16 inch.

5/16 inch throw. LATCH

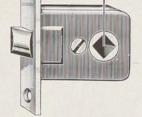
OPERATION

Latch Bolt, by knobs or lever handles from both sides.

REVERSIBLE-Type "A" Construction, Page No. 279

Number	Front	Bolt
P203	Wrought Steel	Cast Iron
203	Wrought Bronze	Cast Bronze

Packed ½ dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



No. 202

No. 202R

Nos. 203 and P203

DIMENSIONS

Japanned iron, 2½x1 7%x½ inches. Flat, 35%x11/6 inches. CASE

FRONT

STRIKE Center of opening to end of lip 1/8 inch. BACKSET 1 1/4 inches.

Center to center of hubs, 11/4 inches. Bronze, for knob spindle 5/16 inch. Bronze, for turn knob spindle 3/16 inch. SPACING HUBS

LATCH

5/16 inch throw.

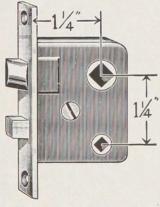
OPERATION

Latch Bolt, by knobs or lever handles from either side. Dead Bolt, by turn knob from inside.

REVERSIBLE—Type "A" Construction, Page No. 279

Number	Front	Bolts
P207	Wrought Steel	Cast Iron
207	Wrought Bronze	Cast Bronze

Packed ½ dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Nos. 207 and P207

DIMENSIONS

CASE Japanned iron, 1 1/2 x 3 1/4 x 9/16 inches.

FRONT Bronze, flat, 3x 7/8 inches, steel 31/4x 7/8 inches. STRIKE Center of opening to end of lip 1 1/8 inches.

BACKSET 21/2 inches.

HUB Iron, for spindle 5/16 inch.

7/16 inch throw. LATCH

OPERATION

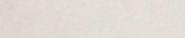
Latch Bolt, by knobs from both sides.

REVERSIBLE—Type "B" Construction, Page No. 279

Number	Front	Bolt
200	Cast Bronze	Cast Bronze
P200	Wrought Steel	Cast Iron

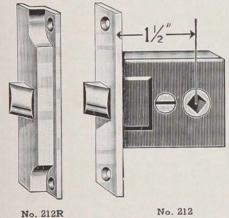
Packed 1/2 dozen in a box, complete with screws.

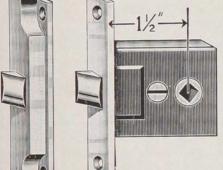
Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Nos. 200 and P200

21/2"





No. 212

DIMENSIONS

CASE Japanned iron 1 3/4 x 2 x 9/16 inches.

Flat, 33/8x3/4 inches—Rabbeted, 31/2x7/8 inches. FRONT

Center of opening to end of lip 1 inch. STRIKE

Flat, 1 1/2 inches. BACKSET

Rabbeted, 1 7/8x1 1/2 inches.

Bronze, for spindle 5/16 inch. HUB

7/16 inch throw. LATCH

OPERATION

Latch Bolt, by knobs from both sides.

REVERSIBLE-Type "B" Construction, Page No. 279

Number	Front	Bolt
212 212R	Cast Bronze Cast Bronze – 3% inch Rabt	Cast Bronze Cast Bronze

Packed 1/2 dozen in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

DIMENSIONS

Japanned iron, 23/8xl3/4x9/16 inches. CASE

FRONT Flat 4 1/8x 7/8 inches.

Center of opening to end of lip 1 1/8 inches. STRIKE

l inch. BACKSET

Bronze, for spindle 5/16 inch. HUB

7/16 inch throw. LATCH

OPERATION

Latch Bolt, by knobs or lever handles from both sides.

REVERSIBLE-Type "K" Construction, Page No. 279

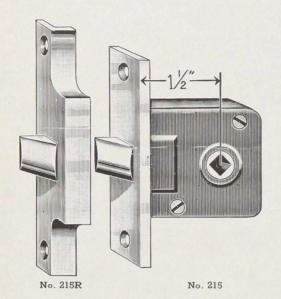
Number	Front	Bolt
214	Cast Bronze	Cast Bronze

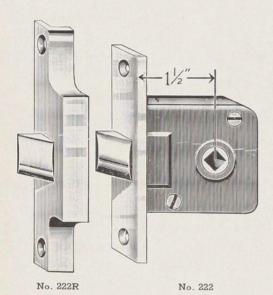
Packed ½ dozen in a box, complete with screws.

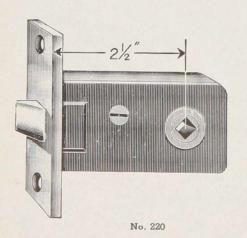
Specify Number and Finish. Refer to Page No. 36 for description of finishes.



No. 214







DIMENSIONS

CASE

Japanned iron, $2x2\frac{1}{4}x^{11}/_{16}$ inches. Add 34 inch to special backsets for width of case. Flat— $4x\frac{7}{8}$ inch. Rabbeted— $4\frac{3}{4}x^{15}/_{16}$ inch. FRONT

Center of opening to end of lip 1 1/8 inches. STRIKE

BACKSET

Flat, Regular, $1\frac{1}{2}$ inches. Flat, Special, $1\frac{1}{4}$, $1\frac{3}{4}$ and 2 inches. Rabbeted, $2x1\frac{1}{2}$ inches. Bronze for spindle, $\frac{5}{16}$ inch.

LATCH 7/16 inch throw.

OPERATION

HUB

Latch Bolt, by knobs or lever handles from both sides. This Latch has a heavy coil spring acting both ways to carry lever handles.

REVERSIBLE-Type "L" Construction, Page No. 279

Number	Front	Bolt
215	Cast Bronze	Cast Bronze
215R	Cast Bronze	Cast Bronze

Packed ½ dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

DIMENSIONS

CASE

Japanned iron, $2x2\frac{1}{4}x^{11}/6$ inches.

Add $\frac{3}{4}$ inch to special backsets for width of case.

Flat $\frac{4x1\frac{1}{16}}{16}$ inches. Rabbeted— $\frac{43}{4}x1\frac{1}{8}$ inches.

Center of opening to end of lip, $1\frac{1}{8}$ inch. FRONT STRIKE

BACKSET

Flat, Regular, 1½ inches. Flat, Special, 1¼, 1¾ and 2 inches. Rabbeted, 2x1½ inches. Bronze for spindle, 5/16 inch.

LATCH 7/16 inch throw.

HUB

Latch Bolt, by knobs or lever handles from both sides. This Latch has a heavy coil spring acting both ways, to carry lever handles.

REVERSIBLE-Type "L" Construction, Page No. 279

Number	Front	Bolt
222	Cast Bronze	Cast Bronze
222R	Cast Bronze	Cast Bronze

Packed 1/2 dozen in a box, complete with screws Specify Number and Finish. Refer to Page No. 36 for description of finishes.

DIMENSIONS

CASE Japanned iron, 13/4x33/8x9/16 inches.

Add 3/4 inch to special backsets for width of case.

FRONT Flat, 31/2 x 7/8 inches. STRIKE

Center of opening to end of lip, 1 1/8 inches. Regular, 21/2 inches.

Special, 1 1/2, 1 3/4, 2, 23/8 and 3 inches.

Bronze, for spindle, 5/16 inch.

BACKSET

HUB

LATCH 7/16 inch throw.

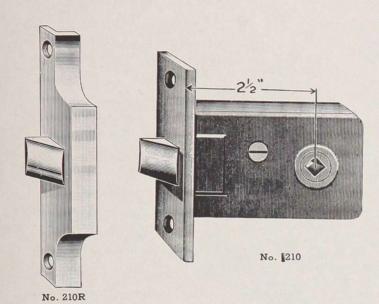
OPERATION

Latch Bolt, by knobs from both sides.

REVERSIBLE—Type "C" Construction, Page No. 279

Number	Front	Bolt
220	Cast Bronze	Cast Bronze

Packed ½ dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

CASE

FRONT

Japanned iron, 2x3%x5% inches.
Add %inch to special backset for width of case.
Flat, 4x11% inches.
Rabbeted, 43%x1% inches.
Center of opening to end of lip, 1 inch.
Flat, regular, 2% inches.
Flat, special, 23% inches.
Rabbeted, 2%x2 inches.
Rabbeted, 2%x2 inches.
Rabbeted, 2%x2 inches.
Rabbeted, 2%x2 inches. STRIKE BACKSET

Bronze, for spindle, $\frac{5}{16}$ inch. $\frac{7}{16}$ inch throw. HUB LATCH

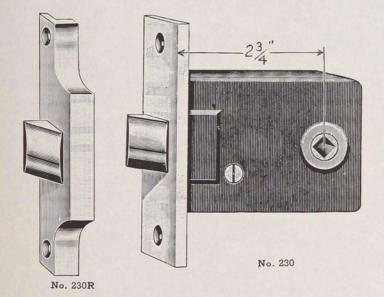
OPERATION

Latch Bolt, by knobs from both sides.

REVERSIBLE—Type "C" Construction, Page No. 279

Number	Front	Bolt
210	Cast Bronze	Cast Bronze
210R	Cast Bronze	Cast Bronze

Packed 1/2 dozen in a box, with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

CASE Japanned iron, 2½x33%x¾ inches.
FRONT Flat, 4½x1⅓ inches.
Rabbeted, 4¾x1¾6 inches.

STRIKE BACKSET Flat, 2¾ inches.
Rabbeted, 2¾x2¼ inches.
Rabbeted, 2¾x2¼ inches.
Rabbeted, 2¾x2¼ inches.

HUB Bronze, for spindle, 5/16 inch.

LATCH 1/2 inch throw.

OPERATION

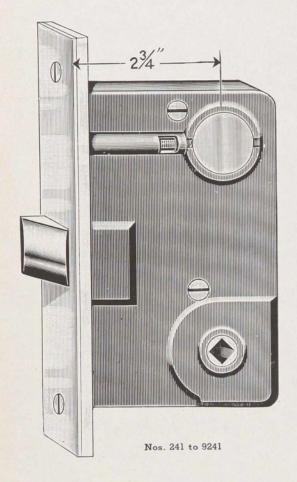
Latch Bolt, by knobs from both sides.

REVERSIBLE—Type "D" Construction, Page No. 279

Number	Front	Bolt
230	Cast Bronze	Cast Bronze
230R	Cast Bronze	Cast Bronze

Packed 1/2 dozen in a box, with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

STANDARDIZED MORTISE LATCH



DIMENSIONS

Japanned iron, 6x378x¹³/₆ inches. Flat, **armored**, regular, 8x1 ½ inches. CASE FRONT Special, beveled, 1/8 inch on 2 inches.

STRIKE

Cast bronze, regular, for wood doors, center of opening to end of lip, 1½ inches.
Cast bronze, special, No. 9 for metal doors, center of opening to end of lip, 13% inches. Refer to Page

No. 280 for description.

BACKSET 234 inches. LATCH BOLT 9/16 inch throw.

Bronze, for solid knob spindle, 5/16 inch. HUB

OPERATION

Latch Bolt, by knobs from both sides.

No. 241-For wood doors.

No. 9241—Same as No. 241 except made to template and packed with No. 9 strike and machine screws for metal door and jamb.

We manufacture a complete series of standardized heavy duty locks for wood doors and metal doors which fit same mortise dimensions.

REVERSIBLE—Type "O" Construction, Page No. 279

Number	Front	Bolt
241 9241	Cast Bronze, Flat Cast Bronze, Flat	Cast Bronze

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of

Beveled front locks, Not Reversible. Specify hand described on Page No. 43.

FOR USE WITH HANDLES

DIMENSIONS

Japanned iron, 23/8x35/8x3/4 inches. CASE

Add 1 1/8 inches to special backsets for width

of case.

FRONT Flat, 43/8xl 1/8 inches.

Rabbeted, 43/4x11/8 inches. Center of opening to end of lip, 11/2 inches. STRIKE

BACKSET

Flat, regular, 2½ inches. Flat, special, 2 and 3 inches.

Rabbeted, 2½x2 inches.

LIFT Iron.

LATCH 7/16 inch throw.

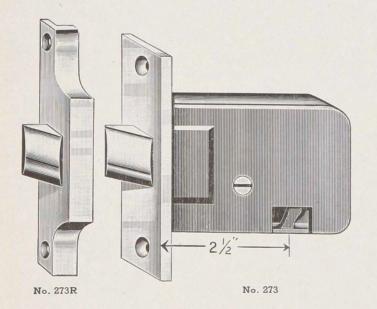
OPERATION

Latch Bolt, by thumb pieces from both sides.

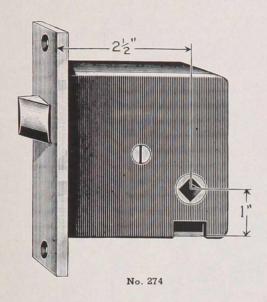
REVERSIBLE-Type"N"Construction, Page No. 279

Number	Front	Bolt
273	Cast Bronze	Cast Bronze
*273R	Cast Bronze, Rabbeted	Cast Bronze

Packed ½ dozen in a box, complete with screws. *Not Reversible. Specify hand described on Page No. 43. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



FOR INSIDE DOORS



DIMENSIONS

CASE Japanned iron, 33/16x31/4x3/4 inches. FRONT Flat, 43/4x1 inches.

STRIKE Center of opening to end of lip, 11/4 inches. BACKSET 2½ inches.

SPACING Center of hub to bottom of lift, 1 inch. HUB Bronze, for knob spindle, 5/16 inch. LIFT Iron.

LATCH 7/16 inch throw.

OPERATION

Latch Bolt, by thumb pieces or knobs from either side at all times.

REVERSIBLE-Type "M" Construction, Page No. 279

Number	Front	Bolt
274	Cast Bronze	Cast Bronze

Packed 1/2 dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

FOR FRONT OR VESTIBULE DOORS

DIMENSIONS

Japanned iron, 31/4x35/8x3/4 inches. CASE

FRONT Flat, 51/4xl 1/8 inches.

Center of opening to end of lip, 1 1/2 inches. STRIKE BACKSET

2½ inches. Center of hub to bottom of lift, 2½ inches. SPACING

HUB Bronze, for knob spindle, 5/16 inch.

LIFT Iron.

7/16 inch throw. LATCH

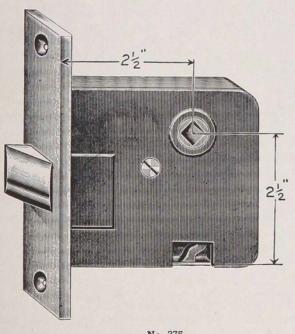
OPERATION

Latch Bolt, by thumb pieces or knobs from either side, at all times.

REVERSIBLE-Type "N" Construction, Page No. 279

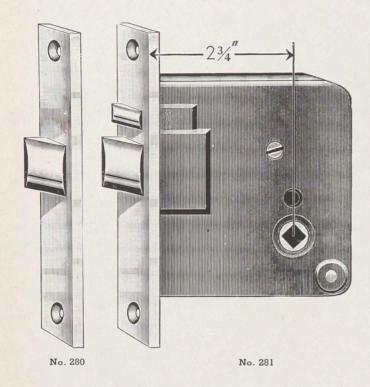
Number	Front	Bolt
275	Cast Bronze	Cast Bronze

Packed ½ dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



No. 275

FOR EXIT DOORS-3/4 INCH THROW LATCH BOLTS



DIMENSIONS

CASE Japanned iron, 4x37/8x13/16 inches.

FRONT Flat, 6x1 1/4 inches.

STRIKE Center of opening to end of lip, 1 1/4 inches.

BACKSET 23/4 inches.

HUB Bronze, for knob spindle, 5/16 inch.

LATCH 3/4 inch throw.

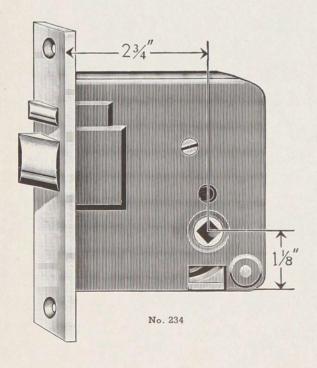
OPERATION

No. 280—Without auxiliary bolt, by knobs from either side. No. 281—With auxiliary bolt, by knob with No. 41B spindle, from inside only. When door is closed the auxiliary bolt automatically deadlocks the latch bolt, making it proof against end pressure.

REVERSIBLE-Type"M"Construction, Page No. 279

Number	Front	Bolts
280	Cast Bronze	Cast Bronze
281	Cast Bronze	Cast Bronze

Packed ½ dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

CASE Japanned iron, 4x378x13/16 inches.

FRONT Flat, 6x1 1/4 inches.

STRIKE Center of opening to end of lip, 11/4 inches.

BACKSET 23/4 inches.

SPACING Center of hub to bottom of lift piece, 1 1/8 in.

HUB Bronze, for knob spindle, 5/16 inch.

LATCH 3/4 inch throw.

OPERATION

Latch Bolt, by thumb piece or by knob from one side only. When door is closed, the auxiliary bolt automatically deadlocks the latch bolt, making it proof against end pressure.

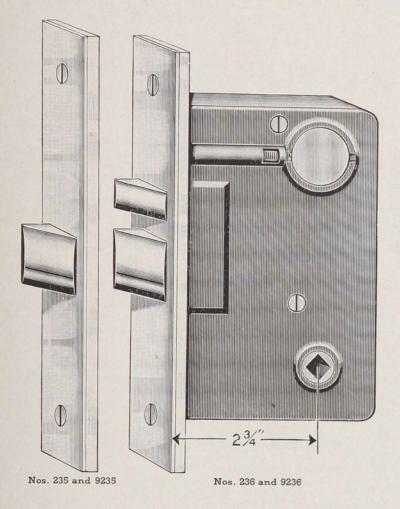
REVERSIBLE—Type "N" Construction, Page No. 279

Number	Front	Bolts
234	Cast Bronze	Cast Bronze

Packed ½ dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

STANDARDIZED HEAVY DUTY MORTISE LATCHES

3/4 INCH THROW LATCH BOLT



DIMENSIONS

CASE Japanned iron, 6x37/8x13/16 inches. Flat, **armored**, regular, 8x1 1/4 inches. Special, beveled, 1/8 inch on 2 inches. FRONT STRIKE Cast Bronze, Regular, for wood doors,

center of opening to end of lip, 11/2

inches.

Cast Bronze, Special, No. 9 for metal doors. Center of opening to end of lip, 13% inches. Refer to Page No. 280 for description.

BACKSET 23/4 inches.

HUB

Bronze, for knob spindle 5/16 inch.

LATCH BOLT 3/4 inch throw.

OPERATION

No. 235-Without auxiliary Latch Bolt by knobs from both sides.

No. 9235—Same as No. 235 except made to template and packed, with No. 9 strike and machine screws for metal door and jamb.

No. 236—With auxiliary Latch Bolt by knob from either side, using 41B spindle. No trim opposite side. The auxiliary Latch Bolt automatically dead locks the Latch Bolt making it proof against end pressure.

No. 9236—Same as No. 236 except made to template and packed, with No. 9 strike and machine screws for metal door and jamb.

We manufacture a complete series of heavy duty standardized locks for wood doors and metal doors which fit same mortise dimensions.

REVERSIBLE-Type "M" Construction, Page No. 279

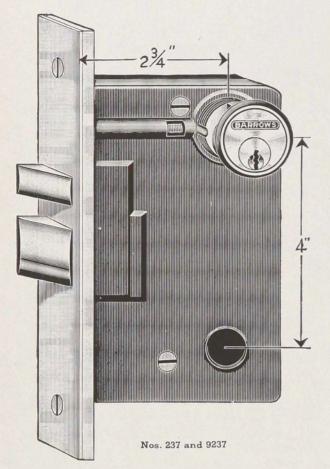
Number	Front'	Bolts
235	Cast Bronze, Flat	Cast Bronze
9235	Cast Bronze, Flat	Cast Bronze
236	Cast Bronze, Flat	Cast Bronze
9236	Cast Bronze, Flat	Cast Bronze

Packed each in a box, complete with screws.

Beveled front locks, Not Reversible. Specify hand described on Page No. 43. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

STANDARDIZED HEAVY DUTY MORTISE LATCHES

FOR PIPE SHAFT DOORS-3/4 INCH THROW LATCH BOLT



DIMENSIONS

CASE Japanned iron, $6x37/8x^{13}/16$ inches.

FRONT Flat, armored, Regular, 8x1 1/4 in.

Special, beveled, 1/8 in. on 2 in.

STRIKE Cast Bronze, Regular for wood doors, center of opening to end

of lip, 1 1/2 inches.

Cast Bronze, Special, No. 9 for metal doors, center of opening to end of lip, 13% inches. Refer to Page No. 280 for description.

HUB None.

BACKSET 23/4 inches.

LATCH BOLT 3/4 inch throw.

OPERATION

No. 237—Latch Bolt, by key from outside. Auxiliary latch bolt automatically dead locks the latch bolt, making proof against end pressure. This lock has no hubs, to operate latch bolts, but hub holes are left open so a closet spindle can be passed through lock to be used for a Dummy Knob to act as pull.

No. 9237—Same as No. 237 except made to template and packed with No. 9 strike and machine screws for metal door and jamb.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

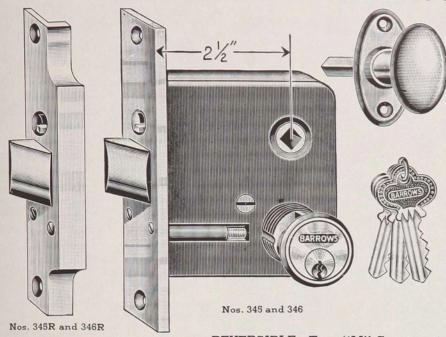
We manufacture a complete series, heavy duty standardized locks for wood doors and metal doors which fit same mortise dimensions.

REVERSIBLE-Type "M" Construction, Page No. 279

Number	Front and Bolts	Cylinder	Keys	Changes
237	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited
9237	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes. Beveled front locks, Not Reversible. Specify hand described on Page No. 43. Specify thickness of door.



DIMENSIONS

CASE Japannediron, 35/8x33/8x3/4 inch. FRONT Flat, 53/4xl inches.

Rabbeted, 6xl 1/8 inches.

STRIKE Center of opening to end of lip,

1 1/2 inches.

Center of hub to center of cylinder, 17% inches. SPACING

BACKSET Flat-21/2 inches.

Rabbeted, 2½x2 inches. HUB Bronze, for knob spindle, 5/16 in.

LATCH 1/2 inch, throw.

OPERATION

No. 345, 345R-Latch Bolt by key from out-

side and by knob inside.

No. 346, 346R—Latch Bolt by key from either side.

Latch Bolt can be held retracted by stop in front.

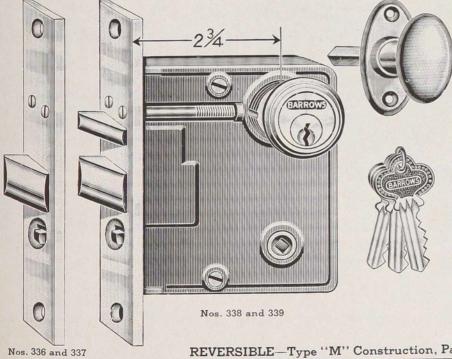
MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE—Type "M" Construction, Page No. 279

Number	Front and Bolt	Knob and Rose, Cast Bronze	Cylinder	Keys	Changes	
345 *345R 346 *346R	Cast Bronze, Flat Cast Bronze, Rabbet Cast Bronze, Flat Cast Bronze, Rabbet	No. 1529—134x114 No. 1529—134x114 None None	One, No. 5 One, No. 5 Two, No. 5 Two, No. 5	Three, 615 Three, 615 Three, 615 Three, 615	Unlimited Unlimited Unlimited Unlimited	

*Not reversible. Specify hand described on Page No. 43. Packed each in a box, complete with screws. Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

CASE Japanned iron, $4\frac{1}{8}x3\frac{3}{4}x\frac{3}{4}$ in. FRONT Flat, 61/8x1 1/4 inches.

STRIKE Center of opening to end of lip,

1 1/4 inches.

Center of hub to center of cylin-SPACING

der, 2½ inches.

23/4 inches. BACKSET

HUB Bronze for knob spindle, 5/16 inch.

LATCH 1/2 inch throw.

OPERATION

No. 336-No auxiliary latch. Latch bolt by key from outside, by knob from inside.

No. 337—No auxiliary latch. Latch bolt by key from both sides.

No. 338—Auxiliary latch. Latch bolt by key from outside, by knob from inside.

No. 339—Auxiliary latch. Latch bolt by key

from both sides. Latch Bolts on all types can be held back by

stop in front of lock.

MASTER-KEYING

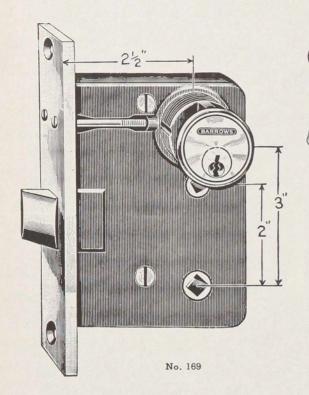
Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same

REVERSIBLE-Type "M" Construction, Page No. 279

				Marian Maria Control Control Control Control	
Number	Front and Bolts	Knob and Rose, Cast Bronze	Cylinder	Keys	Changes
336 337 *338R *339R	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze	No. 1529—134x11/8 None No. 1529—134x11/8 None	One, No. 5 Two, No. 5 One, No. 5 Two, No. 5	Three, 615 Three, 615 Three, 615 Three, 615	Unlimited Unlimited Unlimited Unlimited

*Not reversible. Specify hand described on Page No. 43. Packed each in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.

MORTISE DEAD LOCKING CYLINDER LATCH



FOR USE ON GRADE AND REAR ENTRANCE DOORS

DIMENSIONS

CASE Japanned iron, 41/2x31/2x5/8 inches.

FRONT Flat, 61/2x 7/8 inches.

STRIKE

Center of opening to end of lip, 1 1/8 inches.

Outside, Center of cylinder to center of knob hub, SPACING 3 inches.

Inside, Center of turn knob hub to center of knob hub, 2 inches.

BACKSET 2½ inches.

Bronze, for solid knob spindle, $\frac{5}{16}$ inch. Bronze, for turn knob spindle, $\frac{3}{16}$ inch. HUBS

OPERATION

Latch Bolt, by knobs from both sides, when not dead locked by key from outside or turn knob from inside. When latch is dead locked knobs and latch bolt are rigid.

When latch is dead locked, it is proof against end pressure, and thus affording the same security as a dead lock. Latch is dead locked **only** by key from outside or turn piece from inside. Key does not require a full turn to operate the dead locking feature.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE—Easy Spring Latch Bolt

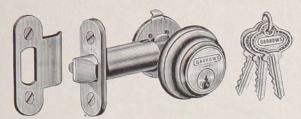
Number	Front and Bolt	Cylinder	Keys	Changes
169	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

MORTISE TUBULAR DEAD LATCH

AUTOMATIC DEADLOCKING BOLT











Turn knob and plate

CASE FRONT STRIKE

BACKSET LATCH BOLT TURN KNOB

Die cast, cadmium plated, 7/8x31/8 inches. Forged brass, 23/4x1 inches.

23/4x1 inches.

Center of opening to end of lip, 15/16 inches. 23/8 inches.

3/4x¹⁷/₃₂ with % inch throw.

One, plate, wrought bronze or brass, 1 ¾ inches in diameter. Turn knob, die cast, with bronze or brass scalp covering knob.

CYLINDER RINGS Three packed with each latch, suitable for doors 15/16 to 21/4 inches thick.

OPERATION

From outside by key, from inside by turn knob. Bolt may be held back When door is closed the trigger bolt automatically dead locks the latch bolt and makes it proof against end pressure.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

*Not Reversible, Specify Hand Described on Page 43

Number	Front	Bolt	Cylinder	Keys	Changes
287RH	Wrought Brass	Extruded Brass	One, 10S	Three, 615	Unlimited
287LH	Wrought Brass	Extruded Brass	One, 10S	Three, 615	Unlimited

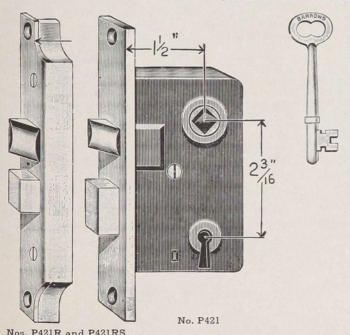
Packed each in a box, complete with screws and template.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

*Specify Left Hand for a right hand reverse door or Right Hand for a left hand reverse door.

MORTISE LOCKS

FOR DOORS WITH NARROW STILES



DIMENSIONS

CASE Japanned iron, $35/8x2\frac{1}{4}x^9/16$ inches.

Add 3/4 inch to special backsets for width

of case.

FRONT Flat, 51/4x7/8, Rabbeted 55/8x7/8 inches. STRIKE SPACING

Center of opening to end of lip, 1 inch. Center of key hole to center of hub 23/16

inches.

BACKSET

Flat, Regular, 1½ inches. Flat, Special, 1, 1¼, 1¾ and 2 inches. Rabbet, Regular, 1½x1 inches. Rabbet, Special, 1¾x1¼ and 2x1½

inches.

RABBET HUB

Depth 1/2 inch. See foot note for 3/8 inch. Iron for knob spindle, 5/16 inch.

7/16 inch throw. LATCH BOLT 1/2 inch throw. DEAD BOLT

OPERATION

Latch Bolt, by knobs or lever handles from both sides.

Dead Bolt, by key from either side.

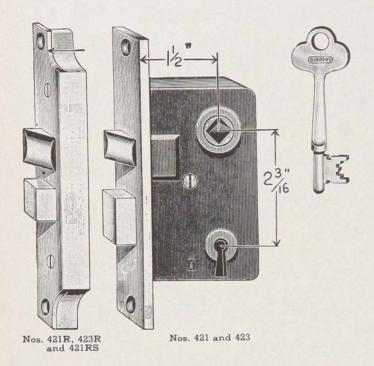
To reverse rabbeted front locks, remove front, and reverse the front and latch bolt. The latch bolt and dead bolt have the same size openings.

REVERSIBLE-Type "K" Construction, Page No. 279

			-) F			
Number	Front	Bolts	Tumblers	Change Key	Changes	Master Key
P421 P421R *P421RS	Wrought Steel Wrought Steel Wrought Steel	Cast Iron Cast Iron Cast Iron	One, Cast Iron One, Cast Iron One, Cast Iron	One, 51B One, 51B One, 51B	4 4 4	None None None

Packed 1/2 dozen in a box, complete with screws. *No. P421RS has special depth rabbet, 3% inch. Specify Number and Finish. Refer to Page No. 36 for description of finishes

FOR DOORS WITH NARROW STILES



DIMENSIONS

Japanned iron, 35/8x21/4x9/16 inches. CASE Add 3/4 inch to special backsets for width

of case.

Flat, 51/4x7/8, Rabbeted 55/8x7/8 inches. FRONT Center of opening to end of lip, 1 inch. Center of key hole, to center of hub 23/16 STRIKE SPACING

inches.

BACKSET

Flat, Regular, 1½ inches.
Flat, Special, 1, 1¼, 1¾ and 2 inches.
Rabbet, Regular, 1½xl inches.
Rabbet, Special, 1¾xl½ and 2xl½ ins.
Depth, ½ inch. See foot note for ¾ inch.

Iron, for knob spindle, 5/16 inch.

7/16 inch throw. 1/2 inch throw.

HUB LATCH BOLT DEAD BOLT

RABBET

OPERATION

Latch Bolt, by knobs or lever handles from both sides. Dead Bolt, by key from either side.

To reverse rabbeted front locks, remove front, and reverse the front and latch bolt. The latch bolt and dead bolt have the same size opening.

MASTER-KEYING

Nos. 423MK and 423RMK can be master-keyed in 8 sets of 80 each. The 640 all different, with each set subject to a master key and all subject to a grand master key. These locks can be master-keyed with any lock using same class master key.

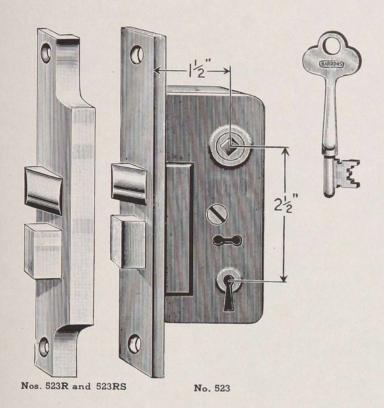
REVERSIBLE-Type "K" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Change Key	Changes	Master Key
421 421R 423 423MK 423R 423RMK 423RMK *421RS	Cast Bronze Wrought Bronze Cast Bronze Cast Bronze Wrought Bronze Wrought Bronze Wrought Bronze	Cast Bronze	One, Cast Iron One, Cast Iron Three, Steel Three, Steel Three, Steel Three, Steel One, Cast Iron	One, 51B One, 51B One, 55L One, 55L One, 55L One, 55L One, 51B	4 4 36 640 36 640 4	None None None 55LM None 55LM None

Packed 1/2 dozen in a box, complete with screws.

*No. 421RS has special depth rabbet, 3/8 inches. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

FOR DOORS WITH NARROW STILES



DIMENSIONS

CASE Japanned iron, $4\frac{1}{4}x2\frac{1}{4}x^{11}$ /16 inches.

Add 3/4 inch to special backsets for width

of case.

FRONT

STRIKE

Center of opening to end of lip, 1 1/8 in.

Center of keyhole to center of hub, 2 1/4 in.

BACKSET Flat, Regular, 11/2 inches.

Flat, Special, 1¾ and 2 inches. Rabbeted, Regular, 1½x1 inches.

Rabbeted, Special, 13/4x11/4 inches and

2xl 1/2 inches.

RABBET Depth, ½ inch.

HUB Bronze, for knob spindle, 5/16 inch.

LATCH BOLT 7/16 inch throw.

DEAD BOLT 1/2 inch throw.

OPERATION

Latch Bolt, by knobs or lever handles from both sides.

Dead Bolt, by key from either side.

This latch has heavy coil spring acting both ways to carry lever handles.

MASTER-KEYING

Nos. 523MK and 523RMK can be master-keyed in 8 sets of 80 each. The 640 all different, with each set subject to a master key and all subject to a grand master key.

REVERSIBLE—Type "L" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Change Key	Changes	Master Key
523 523MK *523R *523RMK †*523RS	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze	Three, Steel Three, Steel Three, Steel Three, Steel Three, Steel	One, 55L One, 55L One, 55L One, 55L One, 55L	36 640 36 640 36	None 55LM None 55LM None

Packed $\frac{1}{2}$ dozen in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

†No. 523RS has special depth rabbet, 3/8 inch.

*Not reversible. Specify hand described on Page No. 43.

FOR DOORS WITH NARROW STILES

DIMENSIONS



Japanned iron, $35\%x2\frac{1}{4}x^9\frac{1}{16}$ inches. Add $\frac{3}{4}$ inch to special backsets for width of case. Flat, $5\frac{1}{4}x\frac{7}{8}$ inches. Rabbeted, $55\%x\frac{7}{8}$ inches. FRONT Center of opening to end of lip, $1\frac{1}{8}$ inches. Center of hub to center of hub, $2\frac{3}{16}$ inches. STRIKE SPACING

BACKSET

Flat, Regular, 1½ inches.
Flat, Special, 1¾ and 2 inches.
Rabbeted, Regular, 1½xl inches.
Rabbeted, Special, 1¾xl¼ inches and 2x1½ inches.
Depth, ½ inch. See footnote for ¾ inch rabbet. RABBET

Bronze, for knob spindle, 5/16 inch. HUB

Bronze, for turn knob spindle, 3/16 inch. 7/16 inch throw. LATCH BOLT

DEAD BOLT 1/2 inch throw.



23/1

Latch Bolt, by knobs or lever handles from both sides. Dead Bolt, by turn knob from inside only.

To reverse rabbeted front locks, remove front and reverse the front and latch bolt. The latch bolt and dead bolt have the same size opening.

REVERSIBLE-Type "K" Construction, Page No. 279

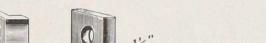
Number	Front	Bolts
P427 P427R *P427RS 427 427R * 427RS	Wrought Steel Wrought Steel Wrought Steel Cast Bronze Cast Bronze Cast Bronze	Cast Iron Cast Iron Cast Iron Cast Bronze Cast Bronze Cast Bronze

Packed 1/2 dozen in a box, complete with screws.

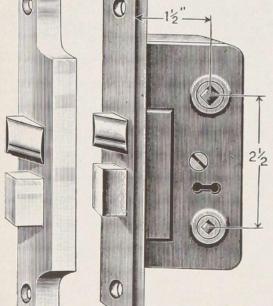
*Nos. P427RS and 427RS have special depth rabbet, 3/8 inch.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.





Nos. P427 and 427



No. 527R No. 527

DIMENSIONS

CASE

Japanned iron, $4\frac{1}{4}x2\frac{1}{4}x^{1\frac{1}{16}}$ inches.

Add $\frac{3}{4}$ inch to special backsets for width of case.

Flat, $6\frac{1}{4}x1\frac{1}{16}$ inches. Rabbeted, $7x1\frac{1}{16}$ inches.

Center of opening to end of lip, $1\frac{1}{16}$ inches.

Center of hub to center of hub, $2\frac{1}{16}$ inches. FRONT STRIKE SPACING Center of nub to center of nub, 2½ inches.
Flat, Regular, 1½ inches.
Flat, Special, 1¾ and 2 inches.
Rabbeted, Regular, 1½x1 inches.
Rabbeted, Special, 1¾x1¼ inches and 2x1½ inches.
Depth, ½ inch.
Bronze, for knob spindle, 5/16 inch.
Bronze, for knob spindle, 5/16 inch. BACKSET

RABBET

Bronze, for turn knob spindle, 3/16 inch. LATCH BOLT 7/16 inch throw.

DEAD BOLT 1/2 inch throw.

OPERATION

HUB

Latch Bolt, by knobs or lever handles from both sides. Dead Bolt, by turn knob from either side

This latch has heavy coil spring acting both ways to carry lever handles.

REVERSIBLE—Type "L" Construction, Page No. 279

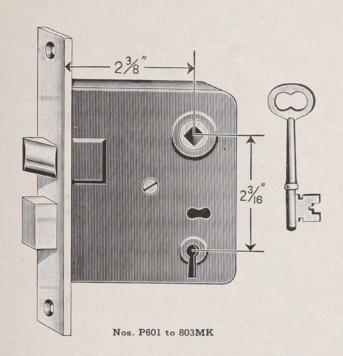
Number	Front	Bolts
527	Cast Bronze	Cast Bronze
*527R	Cast Bronze	Cast Bronze

Packed ½ dozen in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of

*No. 527R not reversible. Specify hand described on Page No. 43.

No. P427R, 427R No. P427RS, 427RS



DIMENSIONS

CASE Japanned iron, 35/8x31/4x5/8 inches.

FRONT Flat, 51/4x7/8 inches.

STRIKE Center of opening to end of lip, 1 inch.

SPACING Center of keyhole to center of hub, $2^{3}/_{6}$ in.

BACKSET 23/8 inches.

HUB Iron, for knob spindle, 5/16 inch.

LATCH BOLT 3/8 inch throw. DEAD BOLT 1/2 inch throw.

OPERATION

Latch Bolt, by knobs from both sides. Dead Bolt, by key from either side.

MASTER-KEYING

 $\bf Nos.~P623MK~$ and $\bf 803MK~$ can be master-keyed in one set of 80 locks all different.

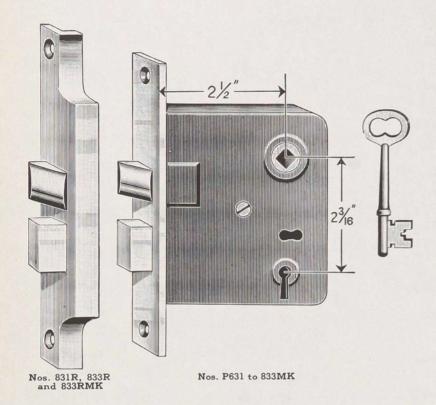
These locks can be master-keyed with any lock using the same class master key.

REVERSIBLE-Type "F" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Change Key	Changes	Master Key
P601 P621 P623 P623MK 801 803 803MK	Wrought Steel Wrought Steel Wrought Steel Wrought Steel Cast Bronze Cast Bronze Cast Bronze	Cast Iron Cast Iron Cast Iron Cast Iron Cast Bronze Cast Bronze Cast Bronze Cast Bronze	One, Steel One, Steel Three, Steel Three, Steel One, Steel Three, Steel Three, Steel	One, 50A One, 51B One, 53D One, 53D One, 51B One, 53D One, 53D	4 4 36 80 4 36 80	None None None 53DM None None 53DM

Packed 1/2 dozen in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

CASE Japanned iron, 35/8x31/4x5/8 in. Add 3/4 inches to special backsets for width of case. Flat, 5½xl inches. FRONT Rabbeted, 678xl inches. Center of opening to end of lip, STRIKE 11/16 inches. Center of keyhole to center of SPACING hub, 23/16 inches. BACKSET Flat, Regular, 21/2 inches. Flat, Special, 2 inches, No. 831. Rabbeted, Regular, 21/2x2 in. Rabbeted, Special, 2x1 1/2 inches. Iron, for knob spindle, 5/16 in. HUB Can be furnished with bronze

hubs at additional price. **LATCH BOLT** 7/16 inch throw. **DEAD BOLT** 1/2 inch throw.

OPERATION

Latch Bolt, by knobs from both sides. Dead Bolt, by key from either side.

MASTER-KEYING

No. P633 can be master-keyed in one set of 80 locks all different.

Nos. 833MK and 833RMK are master-keyed in eight sets of 80 each, the 640 all different, with each set subject to a master key and all subject to a grand master key.

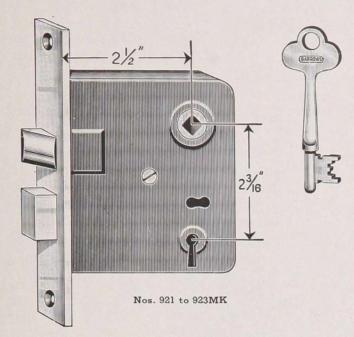
These locks can be master-keyed with any lock using the same class master key.

REVERSIBLE—Type "G" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Change Key	Changes	Master Key
P631 P633 P633MK 831 833	Wrought Steel Wrought Steel Wrought Steel Cast Bronze Cast Bronze	Cast Iron Cast Iron Cast Iron Cast Bronze Cast Bronze	One, Steel Three, Steel Three, Steel One, Steel Three, Steel	One, 53D One, 55L One, 55L One, 53D One, 55L	12 36 80 12 36	None None 55LM None None
833MK	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	640	55LM
*831R *833R *833RMK	Cast Bronze Cast Bronze Cast Bronze	Cast Bronze Cast Bronze Cast Bronze	One, Steel Three, Steel Three, Steel	One, 53D One, 55L One, 55L	12 36 640	None None 55LM

Packed ½ dozen in a box, complete with screws.

^{*}Nos. 831R and 833R series not reversible. Specify hand described on Page No. 43. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

CASE Japanned iron, 35/8x31/4x5/8 inches.

FRONT Flat 5 1/2 xl inches.

STRIKE Center of opening to end of lip 1 1/16 inches. SPACING Centers-keyhole to center of hub, 23/16

inches.

BACKSET 2½ inches.

HUB Iron, for knob spindle, 5/16 inch. Can be furnished with bronze hub at additional

price.

LATCH BOLT 7/16 inch throw. DEAD BOLT 1/2 inch throw.

OPERATION

Latch Bolt, by knobs from both sides. Dead Bolt, by key from either side.

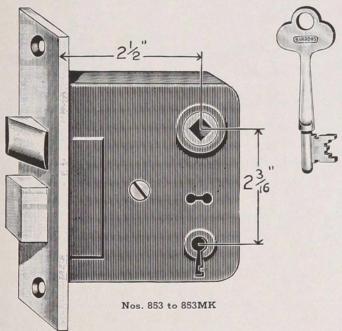
MASTER-KEYING

No. 923MK is master-keyed in 8 sets of 80 each, the 640 all different with each set subject to a master key and all subject to a grand master key. These locks can be master-keyed with any lock using the same class master key.

REVERSIBLE-Type "H" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Change Key	Changes	Master Key
921	Cast Bronze	Cast Bronze	One, Steel	One, 53D	12	None
923	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	36	None
923 MK	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	640	55LM

Packed ½ dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

Japanned iron-35/8x31/4x5/8 inches. CASE

Flat, $5\frac{1}{2}$ xl $\frac{1}{16}$ inches. FRONT

Center of opening to end of lip, 1 1/8 in. STRIKE Centers-keyhole to center of hub, 23/16 SPACING

inches.

BACKSET 2½ inches.

HUB Bronze, for knob spindle, 5/16 inch.

7/16 inch throw.
1/2 inch throw. LATCH BOLT DEAD BOLT

OPERATION

Latch Bolt, by knobs from both sides. Dead Bolt, by key from either side.

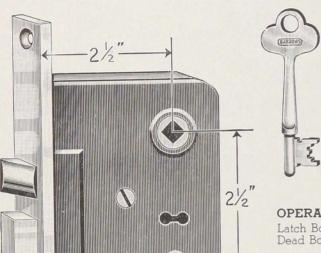
MASTER-KEYING

No. 853MK is master-keyed in 8 sets of 80 each. The 640 all different with each set subject to a master key and all subject to a grand master key. These locks can be master-keyed with any lock using the same class master key.

REVERSIBLE—TYPE "H" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Change Key	Changes	Master Key
851 853 853 MK	Cast Bronze Cast Bronze Cast Bronze	Cast Bronze Cast Bronze Cast Bronze	One, Steel Three, Steel Three, Steel	One, 53D One, 55L One, 55L	12 36 640	None None 55LM

Packed ½ dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Nos. 883 and 883MK

DIMENSIONS

Japanned iron, 4 1/4 x 35/16 x 5/8 inches. CASE

Add 7/8 inches to special backset for width of

FRONT Flat, 6 1/8xl inches.

Center of opening to end of lip, 1 1/4 inches. STRIKE Center, keyhole to center of hub, 21/2 inches. SPACING

Flat, regular, 21/2 inches. BACKSET Special, 23/4 inches.

Bronze, for knob spindle, 5/16 inches. HUB

LATCH BOLT 7/16 inch throw. 1/2 inch throw. DEAD BOLT

OPERATION

Latch Bolt, by knobs from both sides. Dead Bolt, by key from either side.

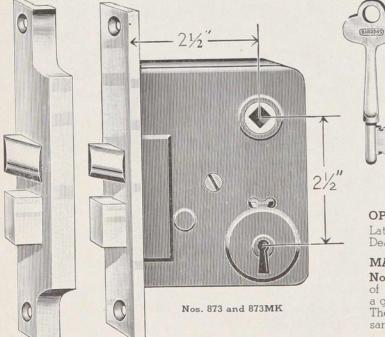
MASTER-KEYING

No. 883MK is master-keyed in 8 sets of 80 each. The 640 all different with each set subject to a master key and all subject to a grand master key. These locks can be master-keyed with any lock using the same Class Master

REVERSIBLE—Type "H" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Change Key	Changes	Master Key
883	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	80	None
883MK		Cast Bronze	Three, Steel	One, 55L	640	55LM

Packed ½ dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

Japanned iron, $4\frac{1}{4}x3\frac{3}{8}x\frac{5}{8}in$. CASE Add 1/8 in. to special backsets for width of case.

Flat, 6 1/4x l 1/8 inches. Rabbeted, 7x l 1/8 inches. Center of opening to end of lip, FRONT

STRIKE 1 1/8 inches.

SPACING

Centers, keyhole to center of hub, 2½ inches.
Flat, regular, 2½ inches.
Flat, special, 2¾ inches. BACKSET

Rabbeted, regular, 2½x2 in. Rabbeted, special, 2¾x2¼ in.

HUB Bronze, for knobs spindle, 5/6 in.

LATCH BOLT 7/6 inch throw. 1/2 inch throw. DEAD BOLT

OPERATION

Latch Bolt, by knobs from both sides. Dead Bolt, by key from either side.

Nos. 873MK and 873RMK are master-keyed in 8 sets of 80 each, the 640 all different with each set subject to a grand master key.

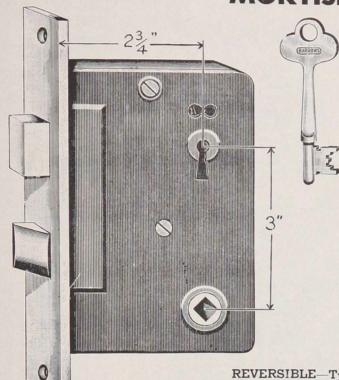
These locks can be master-keyed with any lock using the same class master key.

REVERSIBLE-Type "J" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Change Key	Changes	Master Key
873	Cast Front	Cast Bronze	Three, Steel	One, 55L	36	None
873MK	Cast Front	Cast Bronze	Three, Steel	One, 55L	640	55LM
*873R	Cast Front	Cast Bronze	Three, Steel	One, 55L	36	None
*873RMK	Cast Front	Cast Bronze	Three, Steel	One, 55L	640	55LM

*Nos. 873R and 873RMK, not reversible. Packed ½ dozen in a box, complete with screws. Specify hand described on Page No. 43. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Nos. 873R and 873RMK



DIMENSIONS

CASE FRONT STRIKE SPACING BACKSET

HUB

Japanned Iron, $5x3\frac{3}{4}x\frac{5}{8}$ inches. Flat, $7\frac{1}{4}xl^{\frac{1}{16}}$ inches.

Center of opening to end of lip, 1 1/4 in. Center keyhole to center of hub, 3 inches.

23/4 inches.

Bronze for knob spindle 5/16 inch.

7/16 inch throw. LATCH BOLT DEAD BOLT

OPERATION

Latch Bolt, by knobs from both sides. Dead Bolt, by key from either side.

MASTER-KEYING

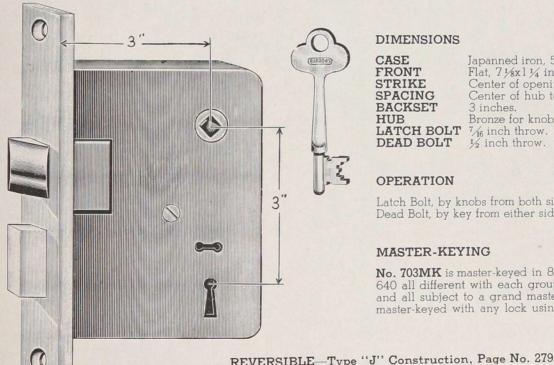
No. 893MK is master-keyed in 8 groups of 80 each. The 640 all different with each group subject to a master key and all subject to a grand master key. This lock can be master-keyed with any lock using same class master key.

Nos. 893 and 893MK

REVERSIBLE-Type "J" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Change Key	Changes	Master Key
893	Cast Bronze		Three, Steel	One, 55L	36	None
893 MK	Cast Bronze		Three, Steel	One, 55L	640	55LM

Packed ½ dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Number 703

DIMENSIONS

CASE FRONT STRIKE SPACING BACKSET Japanned iron, 5x4x3/4 inches.

Flat, 71/8x11/4 inches.

Center of opening to end of lip, 11/2 in. Center of hub to center of keyhole, 3 in.

3 inches. Bronze for knob spindle, 5/16 inch.

HUB LATCH BOLT DEAD BOLT

7/16 inch throw. 1/2 inch throw.

OPERATION

Latch Bolt, by knobs from both sides. Dead Bolt, by key from either side.

MASTER-KEYING

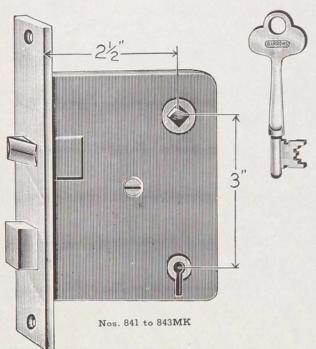
No. 703MK is master-keyed in 8 groups of 80 each. The 640 all different with each group subject to a master key and all subject to a grand master key. This lock can be master-keyed with any lock using same class master key.

Nos. 703 and 703MK

	REVERSIBLE Type o Construction, 1 age						
lumber	Front	Bolts	Tumblers	Change Key	Changes	Master Key	
703 703 MK	Cast Bronze Cast Bronze	Cast Bronze Cast Bronze	Three, Steel Three, Steel	One, 55L One, 55L	36 640	None 55LM	

Packed 1/2 dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

LOCKS MORTISE



FOR USE WITH SECTIONAL TRIM

DIMENSIONS

Japanned iron, 41/2x31/4x5/8 inches. CASE Flat, 61/4xl inches. FRONT

Center of opening to end of lip, $1\frac{1}{16}$ in. Center of hub to center of keyhole, 3 in. STRIKE SPACING

BACKSET 2½ inches.

Iron for knob spindle 5/16 inch. HUB

LATCH BOLT 7/16 inch throw. 1/2 inch throw. DEAD BOLT

OPERATION

Latch Bolt, by knobs from both sides. Dead Bolt, by key from either side.

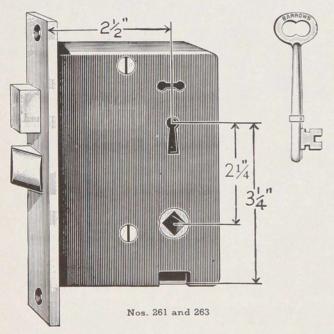
MASTER-KEYING

No. 843MK is master-keyed in 8 groups of 80 each. The 640 all different with each group subject to a master key and all subject to a grand master key. This lock can be master-keyed with any lock using same class master key.

REVERSIBLE-Type "M" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Change Key	Changes	Master Key
841	Cast Bronze	Cast Bronze	One, Steel	One, 53D	12	None
843	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	36	None
843MK	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	640	55LM

Packed ½ dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



For use on interior doors, with handle on one side and knob on opposite side.

DIMENSIONS

CASE Japanned iron, 4½x3¼x¾ inches. FRONT

STRIKE

Flat, 6x1 inches. Center of opening to end of lip, 1¼ in. Center of keyhole to bottom of lift, 3¼ in. SPACING Center of hub to bottom of lift, 1 inch.

Inside center of keyhole to center of hub, 21/4 inches.

BACKSET 2½ inches.

Bronze, for knob spindle, $\frac{5}{16}$ inch. $\frac{7}{16}$ inch throw. HUB LATCH BOLT

DEAD BOLT 1/2 inch throw.

OPERATION

Latch Bolt, by thumb pieces or knobs from either side at all

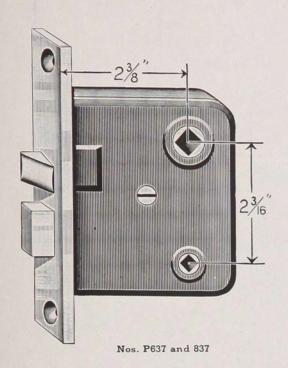
Dead Bolt, by key from either side.

REVERSIBLE-Type "M" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Change Key	Changes	Master Key
261	Cast Bronze	Cast Bronze	One, Steel	One, 53D	12	None
263	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	36	None

Packed 1/2 dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

FOR BATH AND COMMUNICATING DOORS



DIMENSIONS

CASE Japanned iron, 35/8x31/4x5/8 inches.

FRONT Flat, 51/4x7/8 inches.

STRIKE Center of opening to end of lip, 1 inch. SPACING Center to center of hubs, 23/16 inches.

BACKSET 23/8 inches.

HUBS Iron, for knob spindle, 5/16 inch.

Iron, for turn knob spindle, 3/16 inch.

LATCH BOLT 3/8 inch throw. DEAD BOLT 1/2 inch throw.

OPERATION

Latch Bolt, by knob from both sides. Dead Bolt, by turn knob from inside only.

REVERSIBLE—Type "F" Construction, Page No. 279

Number	Front	Bolts
837	Cast Bronze	Cast Bronze
P637	Wrought Steel	Cast Iron

Packed 1/2 dozen in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Japanned iron, 35/8x31/4x5/8 inches. CASE

Flat, 51/2xl inches. FRONT

Center of opening to end of lip, 11/16 inches. STRIKE Center to center of hubs, 23/16 inches. SPACING

BACKSET 2½ inches.

HUBS Iron for knob spindle, 5/16 inch.

Can be furnished with bronze knob hub at addi-

tional price.

Bronze, for turn knob spindle, 3/16 inch.

LATCH BOLT 3/8 inch throw. DEAD BOLT 1/2 inch throw.

OPERATION

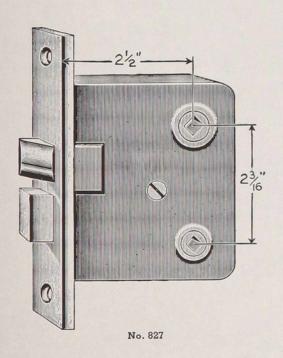
Latch Bolt, by knob from both sides. Dead Bolt, by turn knob from inside only.

REVERSIBLE—Type "G" Construction, Page No. 279

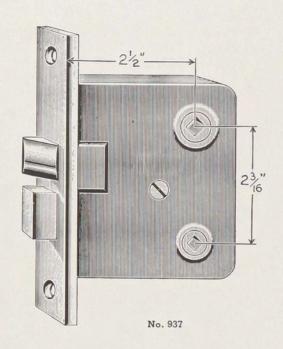
Number	Front	Bolts
827	Cast Bronze	Cast Bronze

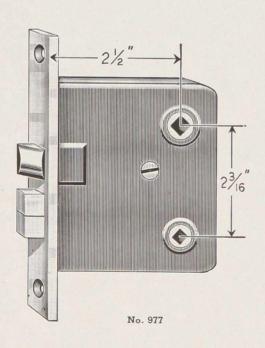
Packed ½ dozen in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



FOR BATH AND COMMUNICATING DOORS





DIMENSIONS

Japanned iron, 35/8x31/4x5/8 inches. CASE

FRONT Flat, 51/2xl1/16 inches.

STRIKE Center of opening to end of lip, 1 1/8 in.

SPACING Center to center of hub, 23/16 inches.

BACKSET 2½ inches.

Bronze, for knob spindle, $\frac{5}{16}$ inch. Bronze, turn knob spindle, $\frac{3}{16}$ inch. HUB

LATCH BOLT 7/16 inch throw. DEAD BOLT 1/2 inch throw.

OPERATION Latch bolt by knob from both sides.

Dead bolt by turn knob from inside only.

REVERSIBLE-Type "H" Construction, Page No. 279

Number	Front	Bolts
937	Cast Bronze	Cast Bronze

Packed 1/2 dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

DIMENSIONS

CASE Japanned iron, 35/8x31/4x11/16 inches.

FRONT Flat, 5½xl inches.

STRIKE Center of opening to end of lip, 11/16 in.

SPACING Center to center of hubs, 23/16 inches.

BACKSET 2½ inches.

HUB

Iron, for knob spindle, $\frac{5}{16}$ inches. Can be furnished with bronze knob hub

at additional price.

Bronze, for turn knob spindle, 3/16 inches.

LATCH BOLT 3/8 inch throw.

1/2 inch throw. DEAD BOLT

OPERATION

Latch Bolt, by knobs from both sides. Split Dead Bolt, by separate turn knobs from both sides. Each locking against the opposite side.

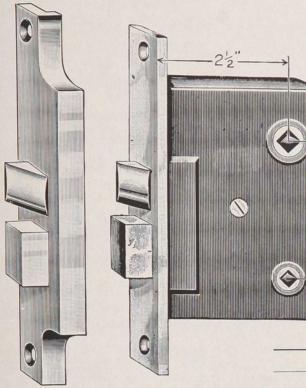
REVERSIBLE-Type "G" Construction, Page No. 279

Number	Front	Bolts
977	Cast Bronze	Cast Bronze

Packed ½ dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

FOR BATH AND COMMUNICATING DOORS

25



No. 877

No. 877R

No. 987R

DIMENSIONS

CASE Japanned iron, 41/4x35/8x5/8 inches.

Add 1/8 inch to special backsets for

width of case.

FRONT Flat, 61/4x11/8 inches, rabbeted

7xl 1/8 inches.

Center of opening to end of lip, STRIKE

1 1/8 inches.

Center to center of hubs, 2½ inches. Flat, Regular, 2½ inches. Flat, Special, 2¾ inches. SPACING BACKSET

Rabbeted, Regular, 2½x2 inches. Rabbeted, Special, 2¾x2¼ inches.

Bronze, for knob spindle, 5/16 inch.

Bronze, for turn knob spindle, 3/16 in. LATCH BOLT 7/16 inch throw.

DEAD BOLT 1/2 inch throw.

OPERATION

HUBS

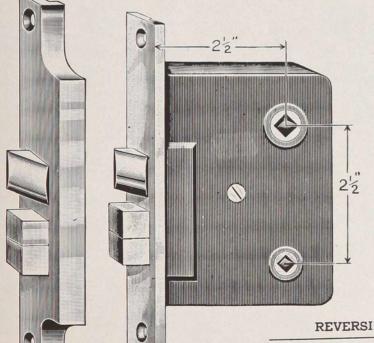
Latch Bolt, by knobs from both sides. Dead Bolt, by turn knob from inside only.

REVERSIBLE-Type "J" Construction, Page No. 279

Number	Front	Bolts
877	Cast Bronze	Cast Bronze
*877R	Cast Bronze	Cast Bronze

*Not reversible. Specify hand described on Page No. 43.

Packed ½ dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



No. 987

DIMENSIONS

CASE Japanned iron, 41/4x35/8x5/8 inches. Add 7/8 inch to special backsets for

width of case.

Flat, 61/4x11/8 inches. Rabbeted 7x11/8. FRONT

STRIKE Center of opening to end of lip,

1 1/8 inch.

Center to center of hubs, 21/2 inches. SPACING BACKSET

Center to center of hubs, 2½ inches. Regular, 2½ inches. Special, 2¾ inches.
Rabbeted, Regular, 2½x2 inches. Rabbeted, Special, 2¾x2¼ inches. Bronze, for knob spindle, 5½ inch. Bronze, for turn knob spindle, 3½ inch. 1½ inch throw.

LATCH BOLT 1/2 inch throw. DEAD BOLT

OPERATION

HUBS

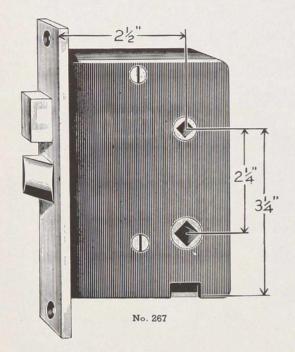
Latch Bolt, by knobs from both sides. Split Dead Bolt, by separate turn knobs from both sides. Each locking against the opposite side.

REVERSIBLE-Type "J" Construction Page No. 279

Number	Front	Bolts
987	Cast Bronze	Cast Bronze
987R	Cast Bronze	Cast Bronze

Packed 1/2 dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

FOR BATH DOORS



2/2" (BARROWS) 22 33/ Nos. 973 and 973MK

For use with handle on one side and knob on opposite side.

DIMENSIONS

CASE Japanned iron, 4½x3¼x¾ inches.

FRONT Flat, 6x1 inches.

Center of opening to end of lip, 1 1/4 inches. Center of turn knob hub to bottom of lift STRIKE SPACING

31/4 inches.

Center of turn knob hub to center of knob

hub, 21/4 inches.

BACKSET 2½ inches.

Bronze, for knob spindle, 5/16 inch. HUBS

Bronze, f or turn knob spindle, 3/16 inch.

Iron.

7/16 inch throw. 1/2 inch throw. LATCH BOLT DEAD BOLT

OPERATION

Latch Bolt, by thumb pieces or knobs from either side at all times. Dead Bolt, by turn knob from inside only.

REVERSIBLE-Type "M" Construction, Page No. 279

Number	Front	Bolts
267	Cast Bronze	Cast Bronze

Packed ½ dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

FOR BATHROOM AND BEDROOM DOORS

With key operation from outside and turn knob from inside.

DIMENSIONS

Japanned iron, 53/8x33/8x5/8 inches. CASE

FRONT Flat, 73/4x11/16 inches.

Center of opening to end of lip, 1 1/8 inches. STRIKE Center to center of hubs, 334i nches. Center of hub to center of keyhole, 2½ in. SPACING

BACKSET 2½ inches.

Bronze, for knob spindle, $\frac{5}{16}$ inch.

Bronze, for turn knob spindle, $\frac{3}{16}$ inch. HUBS

LATCH BOLT 7/16 inch throw. 1/2 inch throw. DEAD BOLT

OPERATION

Latch Bolt, by knobs from both sides. Dead Bolt, by key from outside and by turn knob from inside.

MASTER-KEYING

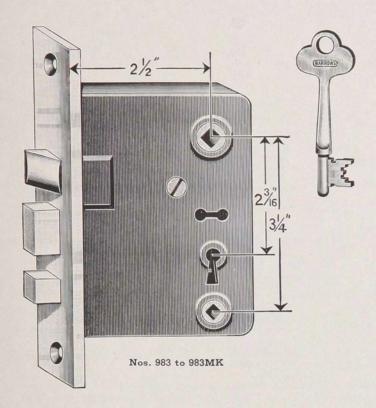
No. 973MK is master-keyed in 8 groups of 80 each, the 640 all different, with each group subject to a master key and all subject to a grand master key. This lock can be master-keyed with any lock using same class master key.

REVERSIBLE-Type "J" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Change Key	Changes	Master Key
973	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	80	None
973MK	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	640	55LM

Packed ½ dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

THREE BOLT, FOR HALL DOORS



DIMENSIONS

CASE Japanned iron, 41/2x31/4x5/8 inches.

FRONT Flat, 61/4xl inches.

Center of opening to end of lip, 1 inch. Center of knob hub to center of keyhole, STRIKE SPACING

23/6 inches.

Center of knob hub to center of turn knob hub, 31/4 inches.

BACKSET 2½ inches.

Iron, for knob spindle, 5/16 inch.

Bronze, for turn knob spindle, 3/16 inch.

LATCH BOLT 3/8 inch throw. DEAD BOLT 1/2 inch throw.

OPERATION

HIIRS

Latch Bolt, by knob from both sides. Upper Dead Bolt, by key from either side. Lower Dead Bolt, by turn knob from inside.

MASTER-KEYING

No. 983MK is master-keyed in 8 groups of 80 each, the 640 changes all different, with each group subject to a master key and all subject to a grand master key. This lock can be master-keyed with any lock using same class master key.

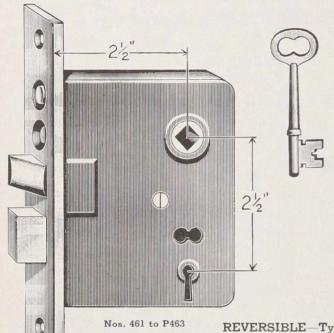
REVERSIBLE-Type "M" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Change Key	Changes	Master Key
983	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	80	None
983 MK	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	640	55LM

Packed 1/2 dozen in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

ENTRANCE DOOR LOCK MORTISE



DIMENSIONS

Japanned iron, 41/4x31/2x3/4 inches. CASE

Flat, $6\frac{1}{2}$ xl $\frac{1}{16}$ inches. FRONT

Center of opening to end of lip, 1 1/4 in. STRIKE Center of knob hub to center of keyhole, SPACING

2½ inches.

BACKSET 2½ inches. HUB

Iron, for swivel knob spindle, 5/16 inch.

LATCH BOLT 7/16 inch throw. DEAD BOLT 1/2 inch throw.

OPERATION

Latch Bolt, by knob from outside when stop in front of lock is not set, by key from outside when stop is set, by knob from inside at all times.

Dead Bolt, by key from either side. Both bolts are operated by the same key.

MASTER-KEYING

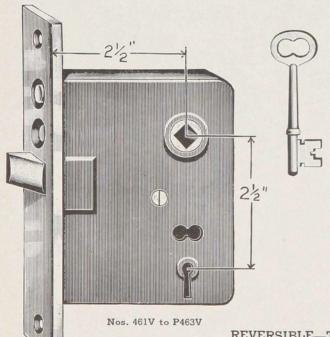
Nos. 463 and P463 can be master-keyed in 80 changes. Suffix MK.

REVERSIBLE-Type "P" Construction, Page No. 279

		JF			
Number	Front	Bolts	Tumblers	Keys	Changes
461 463 P461 P463	Cast Bronze Cast Bronze Wrought Steel Wrought Steel	Cast Bronze Cast Bronze Cast Iron Cast Iron	One, Steel Three, Steel One, Steel Three, Steel	Two, 53D Two, 55L Two, 53D Two, 55L	12 36 12 36

Packed each in a box, complete with screws. Specify No. and finish. Refer to Page No. 36 for description of finishes.

VESTIBULE DOOR LATCH MORTISE



DIMENSIONS

Japanned iron, $4\frac{1}{4}x3\frac{1}{2}x\frac{3}{4}$ inches. Flat, $6\frac{1}{2}xl^{\frac{1}{16}}$ inches. CASE

FRONT

STRIKE Center of opening to end of lip, 1 1/4 in. Center of knob hub to center of keyhole, SPACING

2½ inches. BACKSET 2½ inches.

HUB Iron, for swivel knob spindle, 5/16 inch.

LATCH BOLT 7/16 inch throw.

OPERATION

Latch Bolt, by knob from outside when stop in front of lock is not set. By key from outside when stop is set, by knob from inside at all times.

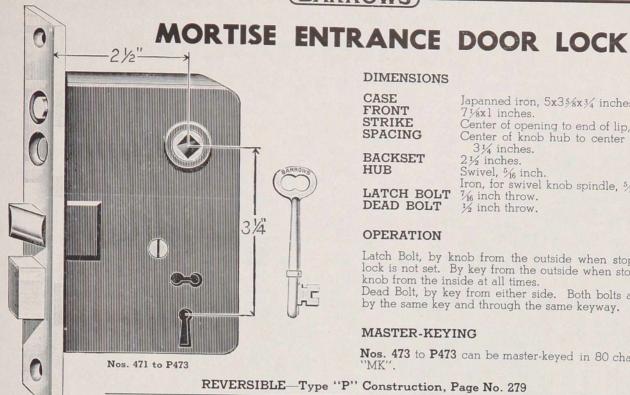
MASTER-KEYING

Nos. 463V and P463V can be master-keyed in 80 changes. Suffix MK.

REVERSIBLE-Type "P" Construction, Page No. 279

Number	Front	Bolt	Tumblers	Keys	Changes
461V	Cast Bronze	Cast Bronze	One, Steel	Two, 53D	12
463V	Cast Bronze	Cast Bronze	Three, Steel	Two, 55L	36
P461V	Wrought Steel	Cast Iron	One, Steel	Two, 53D	12
P463V	Wrought Steel	Cast Iron	Three, Steel	Two, 55L	36

Packed each in a box, complete with screws. Specify No. and finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

CASE Japanned iron, 5x35/8x3/4 inches. FRONT

71/sxl inches.

Center of opening to end of lip, 11/s inches. STRIKE SPACING Center of knob hub to center of key hole,

31/4 inches. BACKSET HUB

2½ inches. 2½ inches. Swivel, 5% inch. Iron, for swivel knob spindle, 5% inch.

LATCH BOLT 1/16 inch throw.
1/2 inch throw. DEAD BOLT

OPERATION

Latch Bolt, by knob from the outside when stop in face of lock is not set. By key from the outside when stop is set. By knob from the inside at all times.

Dead Bolt, by key from either side. Both bolts are operated by the same key and through the same keyway.

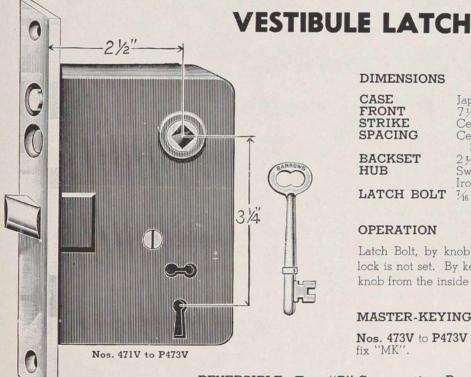
MASTER-KEYING

Nos. 473 to P473 can be master-keyed in 80 changes. Suffix ''MK''.

REVERSIBLE-Type "P" Construction, Page No. 279

Number	Front	Bolts	Keys	Tumblers	Changes
471	Cast Bronze Cast Bronze Wrought Steel Wrought Steel	Cast Bronze	Two, 53D	One, Steel	12
473		Cast Bronze	Two, 55L	Three, Steel	36
P471		Cast Iron	Two, 53D	One, Steel	12
P473		Cast Iron	Two, 55L	Three, Steel	36

Packed each in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

CASE Japanned iron, 5x35/8x3/4 inches.

FRONT 71/8xl inches.

STRIKE Center of opening to end of lip, 1 1/8 inches. SPACING Center of knob hub to center of key hole,

31/4 inches. BACKSET 2½ inches.

Swivel, 5/16 inch. HIIR Iron, for swivel knob spindle, 5/16 inch.

LATCH BOLT 7/16 inch throw.

OPERATION

Latch Bolt, by knob from the outside when stop in face of lock is not set. By key from the outside when stop is set. By knob from the inside at all times.

MASTER-KEYING

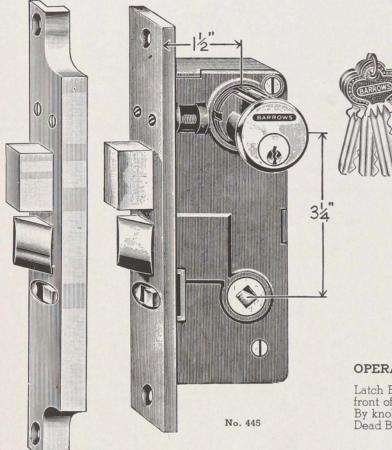
Nos. 473V to P473V can be master-keyed in 80 changes. Suffix "MK"

REVERSIBLE - Type "P" Construction, Page No. 279

Number	Front	Bolt	Keys	Tumblers	Changes
471V	Cast Bronze Cast Bronze Wrought Steel Wrought Steel	Cast Bronze	Two, 53D	One, Steel	12
473V		Cast Bronze	Two, 55L	Three, Steel	36
P471V		Cast Iron	Two, 53D	One, Steel	12
P473V		Cast Iron	Two, 55L	Three, Steel	36

Packed each in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

FOR DOORS WITH NARROW STILES



DIMENSIONS

CASE Japanned iron, 55/8x23/8x3/4 inches. Add 1/8 inch to special backsets for width of case. Flat, 75/8xl³/₁₆ inches. FRONT STRIKE

Center of opening to end of lip, 1 1/2 inches.

SPACING Outside, center of cylinder to center of knob hub, 31/4 inches.

Inside, center of turn knob to center of knob hub, 3 in.

Flat, regular, 1½ inches. Flat, special, 1, 1¼ and 1¾ BACKSET inches.

Rabbeted, regular, 1½x1 inches. Rabbeted, special, 13/4x11/4

inches Bronze, for swivel knob or lever handle spindle, 5/16 HUB inch.

LATCH BOLT 76 inch throw.

DEAD BOLT 1/2 inch throw.

Note—The 1 and 11/4 inch backset locks

have one sliding button operating night works, $1\frac{1}{2}$ and $1\frac{3}{4}$ inches backset locks have push button operating night works.

OPERATION

Latch Bolt, by knob or lever handle from outside when stop in front of lock is not set. By key from outside when stop is set. By knob or lever handle from inside at all times. Dead Bolt, by key from outside and by turn knob from inside.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE—Type "R" Construction, Page No. 279

Number	Front and Bolts	Cylinder	Keys	Changes
445	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited
*445R	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws.

*Not Reversible. Specify hand described on Page No. 43.

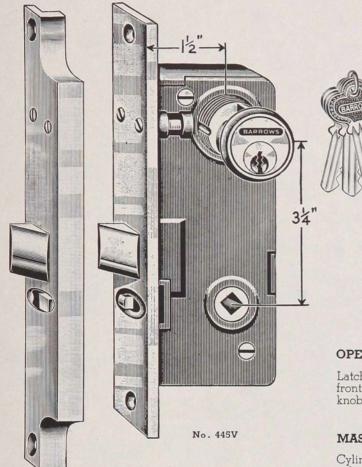
Specify Number and Finish. Refer to Page No. 36 for description of finishes

Specify thickness of door.

No. 445R

MORTISE VESTIBULE DOOR LATCH

FOR DOORS WITH NARROW STILES



DIMENSIONS

CASE

Japanned iron, 55%x23%x34 in. Add 7% inch to special backsets for width of case.

FRONT Flat, 75/8x13/16 inches.

STRIKE Center of opening to end of lip,

1 1/2 inches.

SPACING Center of cylinder to center of

knob hub, 31/4 inches.

BACKSET

Flat, regular, 1½ inches. Flat, special, 1, 1¼ and 1¾ in. Rabbeted, regular, 1½x1 in. Rabbeted, special, 1¾x1¼ in.

HUB Bronze, for swivel knob or lever handle spindle, 5/16 inch.

LATCH BOLT 7/16 inch throw.

Note—The 1 and 11/4 inch backset locks have one sliding button operating night works. The 1½ and 1¾ inch backset locks have push buttons operating night works.

OPERATION

Latch Bolt, by knob or lever handle from outside when stop in front of lock is not set. By key from outside when stop is set. By knob or lever handle from inside at all times.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE-Type "R" Construction, Page No. 279

Number	Front and Bolt	Cylinder	Keys	Changes
445V	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited
*445VR	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws.

*Not Reversible. Specify hand described on Page No. 43.

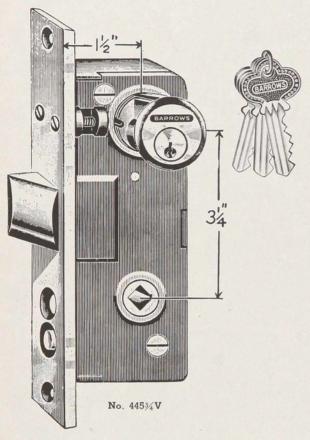
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify thickness of door.

No. 445VR

MORTISE VESTIBULE DOOR LATCH

FOR DOORS WITH NARROW STILES



DIMENSIONS

Japanned iron, 55/8x23/8x3/4 inches. CASE

Flat, 75/8xl3/16 inches. FRONT

Center of opening to end of lip, 13/8 in. STRIKE Center of cylinder to center of knob hub, SPACING

31/4 inches.

1 1/2 inches. BACKSET

Bronze, for swivel knob or lever handle spindle, 5/16 inch. HUB

LATCH BOLT Extra heavy, 3/4 inch throw.

OPERATION

Latch Bolt, by knob or lever handle from outside when stop in front is not set. By key from outside when stop is set, by knob or lever handle from inside at all times.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

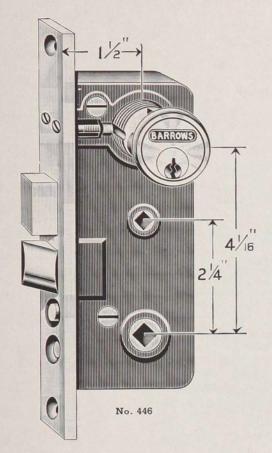
REVERSIBLE-Type "R" Construction, Page No. 279

Number	Front and Bolt	Cylinder	Keys	Changes
4453/4V	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify thickness of door.



FOR THIN DOORS WITH NARROW STILES

DIMENSIONS



CASE FRONT STRIKE SPACING Japanned iron, $6\frac{1}{4}x2\frac{1}{2}x\frac{5}{8}$ inches. Flat, $8\frac{1}{4}x\frac{7}{8}$ inches.

Center of opening to end of lip, 1 1/4 in. Outside, center of cylinder to center

of knob hub, $4\frac{1}{16}$ inches.

Inside, center of turn knob hub to center of knob hub, $2\frac{1}{14}$ inches.

BACKSET 1 1/2 inches. HUBS

Bronze, for knob spindle, $\frac{5}{16}$ inch. Bronze, for turn knob, $\frac{3}{16}$ inch.

LATCH BOLT 7/16 inch throw. DEAD BOLT 1/2 inch throw.

OPERATION

Latch Bolt, by knob from outside when stop in front of lock is not set, by key from outside when stop is set, by knob from inside at all times. Dead Bolt, by key from outside and by turn knob from inside.

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE-Type "R" Construction, Page No. 279

Number	Front and Bolts	Cylinder	Keys	Changes
446	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws. Specify number and finish. Refer to Page No. 36 for description of finishes.

Specify thickness of door.

MORTISE VESTIBULE DOOR LATCH

0

No. 446V

4/16

FOR THIN DOORS WITH NARROW STILES

DIMENSIONS



CASE Japanned iron, 61/4x21/2x5/8 inches. FRONT Flat, 81/4x7/8 inches.

Center of opening to end of lip, 1 1/4 in. STRIKE

Center of cylinder to center of knob SPACING

hub, 41/16 inch.

1 1/2 inch. BACKSET

Bronze, for knob spindle, 5/16 inch. HUB

LATCH BOLT 1/16 inch throw.

OPERATION

Latch Bolt, by knob from outside when stop in front of lock is not set, by key from outside when stop is set, by knob from inside at all times.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE—Type "R" Construction, Page No. 279

Number	Front and Bolt	Cylinder	Keys	Changes
446V	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws.

Specify number and finish. Refer to Page No. 36 for description of

Specify thickness of door.

317 Illustrations One-third Size

FOR THIN DOORS



4/16

21/4

DIMENSIONS

CASE FRONT STRIKE SPACING

Japanned iron, 5 1/8x3 1/2 x 5/8 inches. Flat, 73/4x7/8 inches.

Center of opening to end of lip, 1 1/4 in. Outside, center of cylinder to center of knob hub, 4½,6 inches.

Inside, center of turn knob hub to center of knob hub, 2¼ inches.

2½ inches. BACKSET

HIIRS

Bronze, for swivel knob spindle, 5/16 inches.

Bronze, for turn knob, 3/16 inches. 7/16 inch throw. 1/2 inch throw.

LATCH BOLT DEAD BOLT

OPERATION

Latch Bolt, by knob from outside when stop in front of lock is not set, by key from outside when stop is set, by knob from inside at all times. Dead Bolt, by key from outside and by turn knob from inside.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

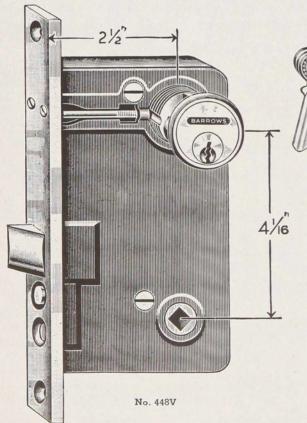
REVERSIBLE-Type "M" Construction, Page No. 279

Number	Front and Bolts	Cylinder	Keys	Changes
448	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws. Specify number and finish. Refer to Page No. 36 for description of finishes.

Specify thickness of door.

MORTISE VESTIBULE DOOR LATCH



No. 448

21/2"

0

FOR THIN DOORS

DIMENSIONS

CASE FRONT STRIKE

Japanned iron, 5 1/8 x 3 1/2 x 5/8 inches. Flat, 73/4x7/8 inches.

Center of opening to end of lip, 1 1/4 in. SPACING Center of cylinder to center of knob hub, 41/16 inches.

BACKSET 2½ inches. HUB

Bronze, for swivel knob spindle, 5/16 inch

LATCH BOLT 7/16 inch throw.

OPERATION

Latch Bolt, by knob from outside when stop in front of lock is not set, by key from outside when stop is set, by knob from inside at all times.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

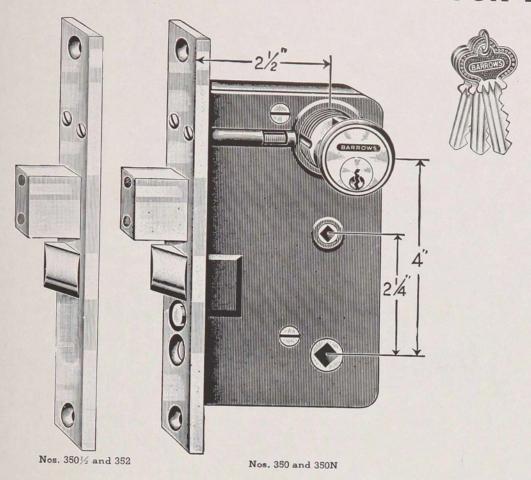
REVERSIBLE-Type "M" Construction, Page No. 279

Number	Front and Bolt	Cylinder	Keys	Changes
448 V	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws.

Specify number and finish. Refer to Page No. 36 for description of finishes.

Specify thickness of door.



DIMENSIONS

CASE FRONT Japanned iron, 578x3½x¾ inches. Flat, regular, 7½x1½ inches. Flat, narrow, 7¾x1 inches.

STRIKE

Wrought box, center of opening to end of lip, 13/8 inches.

SPACING

Outside, center of cylinder to center of knob hub, 4 inches.

Inside, center of turn knob hub to center of knob hub, 21/4 inches.

BACKSET HUBS

Regular, 21/2 inches. Bronze, for swivel knob spindle, 5/16 inch. Bronze, for turn knob spindle, 3/16 inch. 7/16 inch throw.

LATCH BOLT DEAD BOLT

linch throw, extra heavy, with two case hardened pins in center to pre-vent cutting of bolt when in locked position.

OPERATION

No. 350—Latch Bolt, by knob from outside when stop in front of lock is not set. By key from outside when stop is set. By knob from inside at all times.

Dead Bolt, by key from outside and turn knob from inside. No. 350N—Narrow Front operation same as No. 350.

sides at all times.

Dead Bolt, by key from outside and turn knob from inside. No. 352—Two Cylinders. Operation same as No. 3501/2 except by key from either side.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

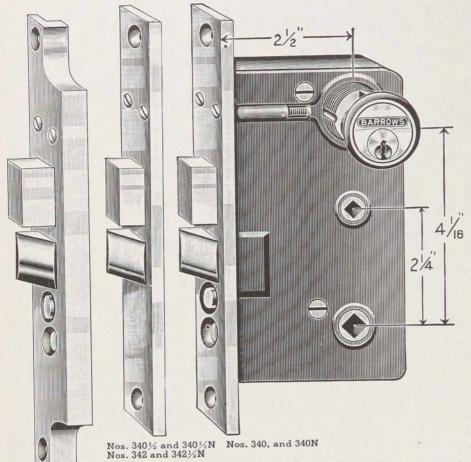
REVERSIBLE—Type "M" Construction, Page No. 279

Number	Front and Bolts	Cylinders	Keys	Changes		
350 350 N 350½ 352	Cast Bronze Cast Bronze Cast Bronze Cast Bronze	One, Cast Bronze, No. 6 One, Cast Bronze, No. 6 One, Cast Bronze, No. 6 Two, Cast Bronze, No. 6	Three, 615 Three, 615 Three, 615 Three, 615	Unlimited Unlimited Unlimited Unlimited		

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify thickness of door.



OPERATION

No. 340—Latch Bolt, by knob from outside when stop in front of lock is not set. By key from outside when stop is set.

By knob from inside at all times. Dead Bolt, by key from outside and turn knob from inside.

No. 340 1/2—No stop works. Latch Bolt, by knobs from both sides at all times. Dead Bolt, by key from outside and by

No. 342—Two cylinders. Same as 3401/2 except by key from either side.

turn knob from inside.

Nos. 340R to 342R

DIMENSIONS

Japanned iron, 578x31/2x3/4 inches. CASE

Add I inch to special backsets for width

of case.

Flat, regular, 73/4xl 1/8 inches. Flat, narrow, 73/4xl inches. Rabbeted, 81/2xl 5/16 inches. FRONT

Center of opening to end of lip, 13/8 in. STRIKE Outside, center of cylinder to center of SPACING

knob hub, 4½ inches.

Inside, center of turn knob hub to center of knob hub, 2½ inches.

Flat, regular, 2½ inches.

Flat, special, 2 inches. SPACING

BACKSET

Rabbeted, regular, $2\frac{1}{2}x2$ inches. Bronze, for swivel knob spindle, $\frac{5}{16}$ ins. HUBS

Bronze, for turn knob spindle, 3/16 inches. 7/16 inch throw.

LATCH BOLT

DEAD BOLT 1/2 inch throw. **OPERATION**

No. 340N -Narrow Front.

No. 340 1/2 N -- Narrow Front.

Operation same as No. 340. Operation same as No.

3401/2.

No. 342 1/2 N -- Narrow Front.

Operation same as No. 342. No. 340R — Rabbeted Front. Operation same as No. 340.

No. 340 1/2 R—Rabbeted Front. Operation same as No.

3401/2.

No. 342R — Rabbeted Front. Operation same as No. 342.

MASTER-KEYING

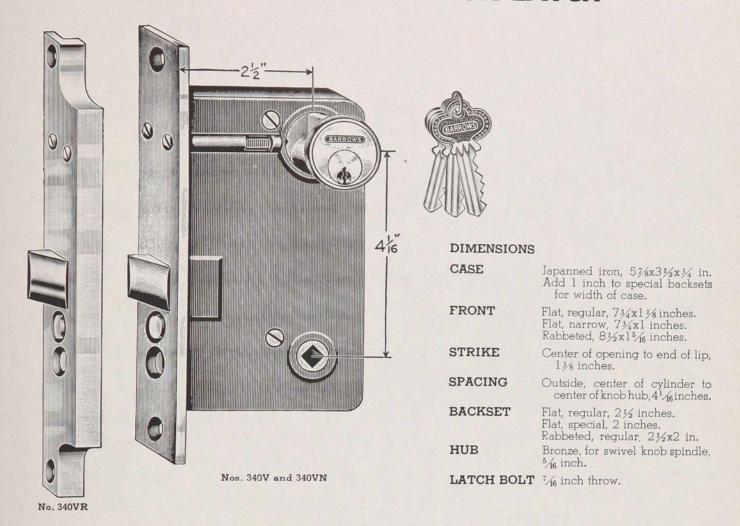
Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE-Type "M" Construction, Page No. 279

Number	Front and Bolts	Cylinders	Keys	Changes
340 340½ 342 340N 340½N 342½N *340R *340½R *342R	Cast Bronze, Flat Cast Bronze, ½ in. Rabbet Cast Bronze, ½ in. Rabbet Cast Bronze, ½ in. Rabbet	One, Cast Bronze, No. 5 One, Cast Bronze, No. 5 Two, Cast Bronze, No. 5 One, Cast Bronze, No. 5 One, Cast Bronze, No. 5 Two, Cast Bronze, No. 5 One, Cast Bronze, No. 5 One, Cast Bronze, No. 5 One, Cast Bronze, No. 5 Two, Cast Bronze, No. 5 Two, Cast Bronze, No. 5	Three, 615 Three, 615 Three, 615 Three, 615 Three, 615 Three, 615 Three, 615 Three, 615	Unlimited

Packed each in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes. *Not reversible. Specify hand described on Page No. 43. Specify thickness of door.

MORTISE VESTIBULE DOOR LATCH



OPERATION

No. 340V—Latch Bolt, by knob from outside when stop in front of lock is not set. By key from outside when stop is set. By knob from inside at all times.

No. 340VN-Narrow Front, operation same as No. 340V.

No. 340VR—Rabbeted Front, operation same as No. 340V.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE—Type "M" Construction, Page No. 279

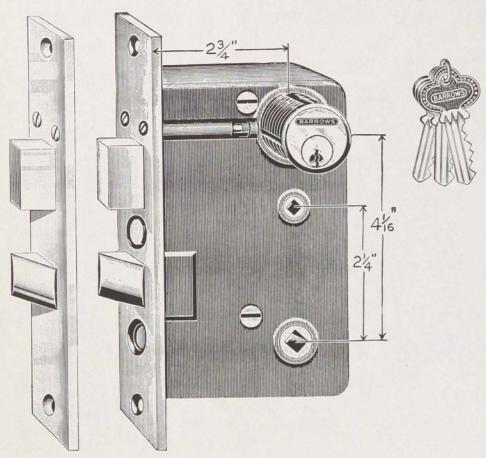
Number	Front and Bolt	Cylinder	Keys	Changes	
340V	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited	
340VN	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited	
*340VR	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited	

Packed each in a box, complete with screws.

*Not Reversible. Specify hand described on Page No. 43 of door.

Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Nos. 5401/2 and 542

No. 540

DIMENSIONS

CASE Japanned iron, 57/8x33/4x3/4 inches.

Add 1 inch to special backsets for width

of case.

FRONT Flat, 77/8xl 1/8 inches.

STRIKE Center of opening to end of lip, 1½ in. **SPACING** Outside, center of cylinder to center of

knob hub, 41/16 inches.

Inside, center of turn knob hub to center

of knob hub, 21/4 inches.

BACKSET Regular, 23/4 inches.

Special, 21/4 inches.

HUBS Bronze, for swivel knob spindle, 5/16 inch.

Bronze, for turn knob spindle, 3/16 inch.

LATCH BOLT 7/16 inch throw.

DEAD BOLT 1/2 inch throw.

OPERATION

No. 540—Latch Bolt, by knob from outside when stop in front of lock is not set. By key from outside when stop is set. By knob from inside at all times.

Dead Bolt, by key from outside and by turn knob from

 $No.\ 540\,\ensuremath{\frac{1}{2}}$ —No stops works, Latch Bolt by knobs from both sides at all times.

Dead Bolt, by key from outside. By turn knob from inside.

No. 542—Two cylinders. Operation same as No. 540½, except by key from either side.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

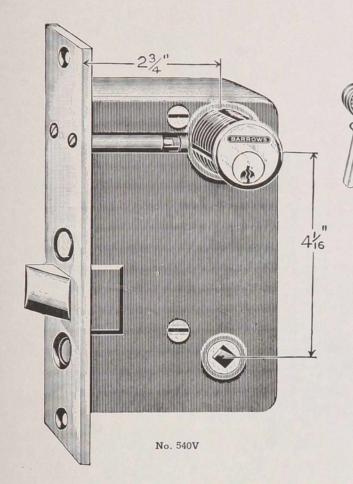
REVERSIBLE-Type "M" Construction, Page No. 279

Number	Front and Bolts	Cylinders	Keys	Changes
540	Cast Bronze	One, No. 5	Three, 615	Unlimited
540 ½	Cast Bronze	One, No. 5	Three, 615	Unlimited
542	Cast Bronze	Two, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

MORTISE VESTIBULE DOOR LATCH



DIMENSIONS

CASE Japanned iron, 57/8x33/4x3/4 in.

Add 1 inch to special backsets for width of case.

FRONT Flat, 71/8x1 1/8 inches.

STRIKE Center of opening to end of lip,

13/8 inches.

Center of cylinder to center of knob hub, 41/16 inches. SPACING

BACKSET Regular, 23/4 inches.

Special, 21/4 inches.

HUB Bronze, for swivel knob spindle,

5/16 inches.

LATCH BOLT 7/16 inch throw.

OPERATION

Latch Bolt, by knob from outside when stop in front is not set. By key from outside when stop is set. By knob from inside at all times.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE-Type "M" Construction, Page No. 279

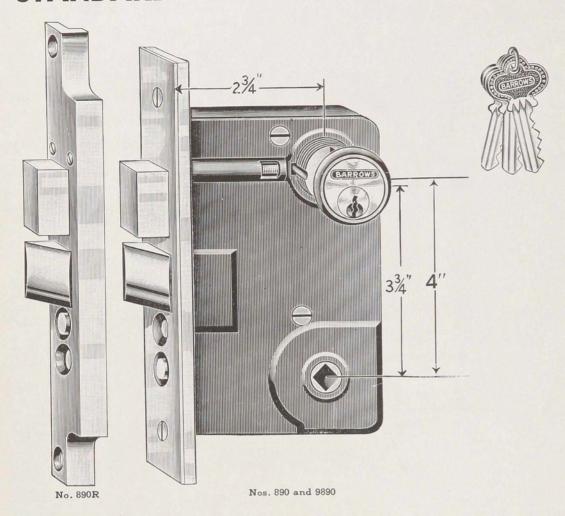
Number	Number Front and Bolt		Keys	Changes	
540 V	540V Cast Bronze		Three, 615	Unlimited	

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify thickness of door.

STANDARDIZED MORTISE ENTRANCE DOOR LOCK



DIMENSIONS

Japanned iron, $6x3\frac{7}{8}x^{13}$ /6 inches. Flat, **armored**, regular, $8x1\frac{1}{4}$ inches. CASE FRONT Rabbeted, 87/8x13/8 inches. Special, beveled, 1/8 inch on 2 inch. Cast bronze, regular, for wood doors, center of opening to end of lip, 1½ in. Cast bronze, special, No. 9 for metal doors, STRIKE center of opening to end of lip, 13/8 in. Refer to Page No. 280 for description. Outside, center of cylinder to center of SPACING knob hub, 4 inches. Inside, center of turn knob hub to center of knob hub, 334 inches.

BACKSET

Flat, 2¾ inches. Rabbeted, 2¾x2¼ inches. Bronze, for swivel knob spindle, 5½ inch. HUB

Disc, No. 2910, for turn knob.

LATCH BOLT DEAD BOLT

9/16 inch throw.
5/8 inch throw.

OPERATION

Nos. 890 and 890R—Latch Bolt, by knob from outside when stop in front of lock is not set. By key from outside when stop is set. By knob from inside at all times.

Dead Bolt, by key from outside and by turn knob from inside.

No. 9890—Same as No. 890 except made to template and packed, with No. 9 strike and machine screws for metal door and jamb.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

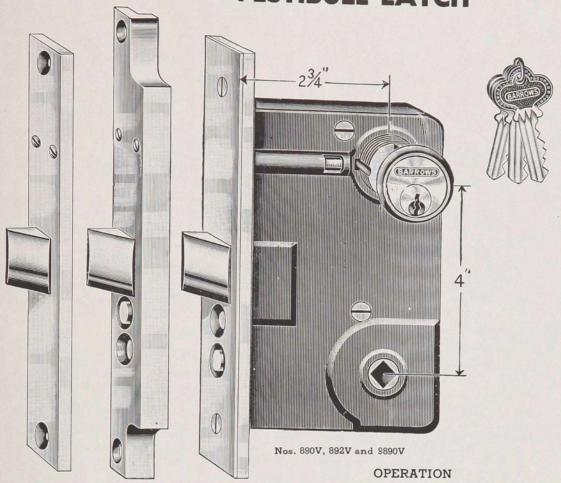
We manufacture a complete series of heavy duty standardized locks for wood doors and metal door which fit same mortise dimensions.

REVERSIBLE-Type "O" Construction, Page No. 279

Number	Front and Bolts	Cylinder	Keys	Changes
890	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited
9890	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited
*890 R	Cast Bronze, Rabbeted	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws. Beveled front lock Not Reversible. Specify hand described on Page No. 43. *Not Reversible. Specify hand described on Page No. 43. Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

HEAVY DUTY STANDARDIZED MORTISE **VESTIBULE LATCH**



DIMENSIONS

No. 890 1/2 V

CASE FRONT

No. 890VR

Japanned iron, $6x3\frac{7}{8}x^{13}\frac{1}{16}$ inches. Flat, armored, regular, $8x1\frac{1}{4}$ inches.

Rabbeted, 87/8x13/8 inches.

STRIKE

Special, beveled, ½ inch on 2 inch.
Cast bronze, regular, for wood doors, center of opening to end of lip, 1½ in.
Cast bronze, special No. 9 for metal doors, center of opening to end of lip, 13% in. Refer to Page No. 280 for description.

Center of cylinder to center of knob hub, 4 inches.
Flat, 234 inches.
Rabbeted, 234x214 inches.
Bronze, for knob spindle, 5/16 inch. SPACING

BACKSET

LATCH BOLT % inch throw.

Nos. 890V and 890VR—Latch Bolt, by knob from outside when stop in front of lock is not set. By key from outside when stop is set. By knob from inside at all times.

No. 9890V—Same as No. 890V except made to template and packed with No. 9 strike and machine screws for metal door and jamb.

OPERATION

No. 892V—Two cylinders, by knobs from both sides when stop in front is not set. By key from either side when stop is set. Furnished with a solid spindle which makes the knobs rigid when stop in front of lock is set.

No. 890½V—No stops, Latch Bolt by key only from outside, by knob from inside at all times. Outside knob rigid.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Bar-

rows cylinder locks using same class key.

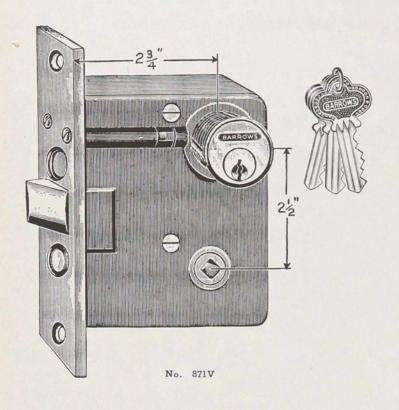
We manufacture a complete series of heavy duty standardized locks for wood doors and metal doors which fit same mortise dimensions.

REVERSIBLE-Type "O" Construction, Page No. 279

Number Front and Bolt		er Front and Bolt Cylinders		Changes	
890V	Cast Bronze, Flat Cast Bronze, Flat Cast Bronze, Rabbeted Cast Bronze, Flat Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited	
9890V		One, Cast Bronze, No. 5	Three, 615	Unlimited	
*890VR		One, Cast Bronze, No. 5	Three, 615	Unlimited	
892V		Two, Cast Bronze, No. 5	Three, 615	Unlimited	
890 ½V		One, Cast Bronze, No. 5	Three, 615	Unlimited	

Packed each in a box, complete with screws. Beveled front locks, Not Reversible. Specify hand described on Page No. 43. *Not Reversible. Specify hand. Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.

MORTISE VESTIBULE DOOR LATCH



DIMENSIONS

Japanned iron, $4\frac{1}{4}x3\frac{3}{4}x\frac{3}{4}$ inches. Add 1 inch to special backsets for CASE

width of case.

FRONT Flat, 61/4x1 1/8 inches.

Center of opening to end of lip, STRIKE

13/8 inches.

Center of cylinder to center of knob hub, 2½ inches. SPACING

Regular, 2¾ inches. Special, 2¼ inches. BACKSET

HUB Bronze, for swivel knob spindle, 5/16

inch.

LATCH BOLT 7/16 inch throw.

OPERATION

Latch Bolt, by knob from outside when stop in front of lock is not set. By key from outside when stop is set. By knob from inside at all times.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

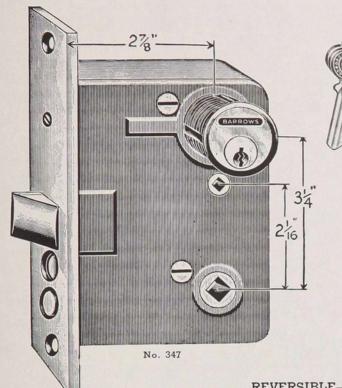
REVERSIBLE—Type "M" Construction, Page No. 279

Number	Front and Bolt	Cylinder	Keys	Changes	
871V	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited	

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

MORTISE OFFICE DOOR LOCKS



DIMENSIONS

CASE Japannediron, 5x3¾x¾ inches. Add 7% inch to special backsets

for width of case.

FRONT Flat, 7xl 1/8 inches. STRIKE

Center of opening to end of lip,

13/8 inches.

SPACING

Outside, center of cylinder to center of knob hub, 3½ in.
Inside, center of turn knob hub, to center of knob hub, 2½ in.

BACKSET Regular, 2½ inches. Special, 2½ inches.

HUBS Bronze, for swivel knob spindle,

5/16 inch.

Bronze, for turn knob hub, 3/16 in.

LATCH BOLT 7/16 inch throw.

OPERATION

Latch Bolt, by knob from outside when stop in front of lock is not set, by key from outside when stop is set and if not locked from inside by turn knob. The Latch bolt cannot be operated by key or knob from either side, when locked by turn knob from inside.

MASTER-KEYING

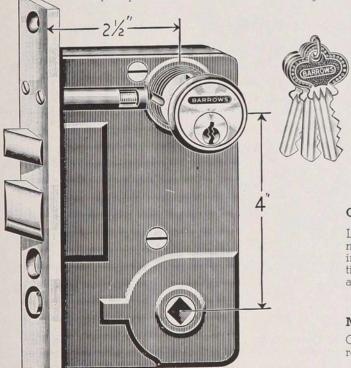
Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE-Type "M" Construction, Page No. 279

Number Front and Bolts		Cylinder	Keys	Changes	
347	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited	

Packed each in a box, complete with screws.

Specify number and finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.



DIMENSIONS

CASE Japanned iron, 578x31/2x3/4 in. FRONT Flat, 73/4x1 1/8 inches.

STRIKE Center of opening to end of lip,

13/8 inches.

Outside, center of cylinder to center of knob hub, 4 in. SPACING

Inside, center of turn knob hub to center of knob hub, 21/4 in.

BACKSET 2½ inches.

HUB Bronze, for swivel knob spindle,

5/16 inch.

LATCH BOLT 7/16 inch throw.

OPERATION

Latch Bolt, by knob from outside when stop in front of lock is not set, by key from outside when stop is set. By knob from inside at all times when door is closed. Auxilliary bolt automatically dead locks the Latch Bolt and stops making them proof against end pressure.

MASTER-KEYING

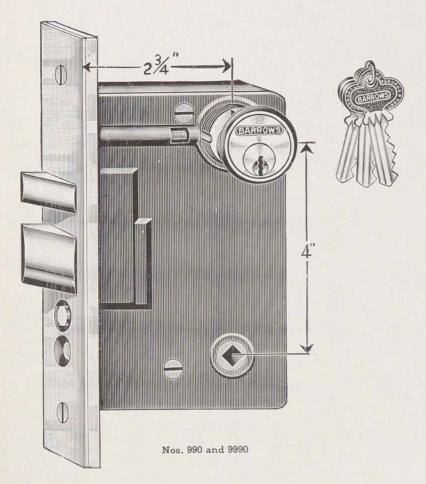
Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

No. 378 REVERSIBLE—Type "O" Construction, Page No. 279

Number	Front and Bolt	Cylinder	Keys	Changes
378	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws. Specify number and finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.

STANDARDIZED MORTISE OFFICE LOCKS



DIMENSIONS

CASE Japanned iron, 6x37/8x13/16 in.

FRONT Flat, armored, regular, 8x1 1/4 inches.

Special, beveled, 1/8 in. on 2 in.

STRIKE Cast bronze, regular, for wood

doors, center of opening to end of lip, 1½ inches.

Cast bronze, special, No. 9 for metal doors, center of opening to end of lip, 13% inches. Refer to Page No. 56A for

description.

SPACING Center of cylinder to center of

knob hub, 4 inches.

BACKSET 23/4 inches.

HUB Bronze, for swivel knob spindle,

5/16 inch.

LATCH BOLT % inch throw.

AUXILIARY 1/2 inch throw.

OPERATION

No. 990—Latch Bolt, by knob from outside when stop in front of lock is not set. By key from outside when stop is set. By knob from inside at all times. When door is closed auxiliary bolt automatically dead locks the latch bolt and stops, making them proof against end pressure.

No. 9990—Same as No. 990, except made to template and packed with No. 9 strike and machine screws for metal door and jamb.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

We manufacture a complete series of heavy duty standardized locks for wood doors and metal doors which fit same mortise dimensions.

NOT REVERSIBLE-Type "O" Construction, Page No. 279

Number	Front and Bolts	Cylinder	Keys	Changes	
990	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited	
9990	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited	

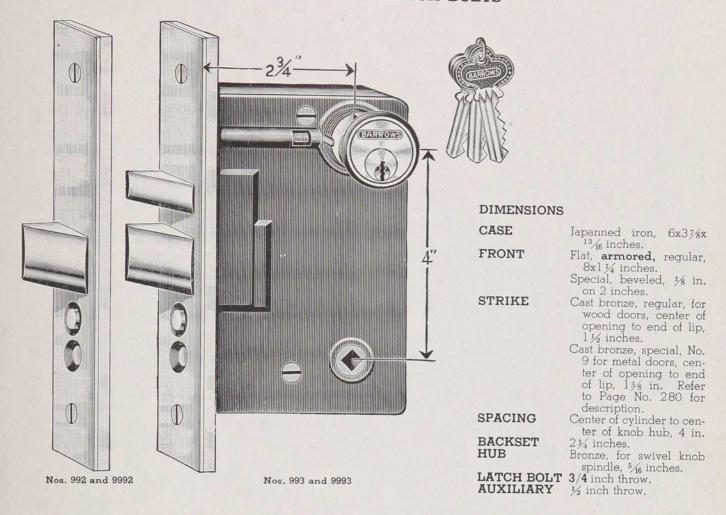
Packed each in a box, complete with screws.

Specify hand described on Page No. 43.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

STANDARDIZED MORTISE OFFICE LOCKS

3/4 INCH THROW LATCH BOLTS



OPERATION

No. 993—Latch Bolt, by knob from outside when stop in front of lock is not set. By key from outside when stop is set. By knob from inside at all times when door is closed auxiliary bolt automatically dead locks the Latch Bolt and the stops, making them proof against end pressure.

No. 9993—Same as No. 993 except made to template and packed with No. 9 strike and machine screws for metal doors and jambs.

No. 992—Same as No. 993 without auxiliary.

No. 9992—Same as 992. Lock made to template and packed with No. 9 strike and machine screws for metal door and jamb.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

We manufacture a complete series of heavy duty, standardized locks for wood doors and metal doors which fit same mortise dimensions.

NOT REVERSIBLE-Type "M" Construction, Page No. 279

Number	Front and Bolts Cylinder		Keys	Changes	
992	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited	
9992	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited	
993	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited	
9993	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited	

Packed each in a box, complete with screws.

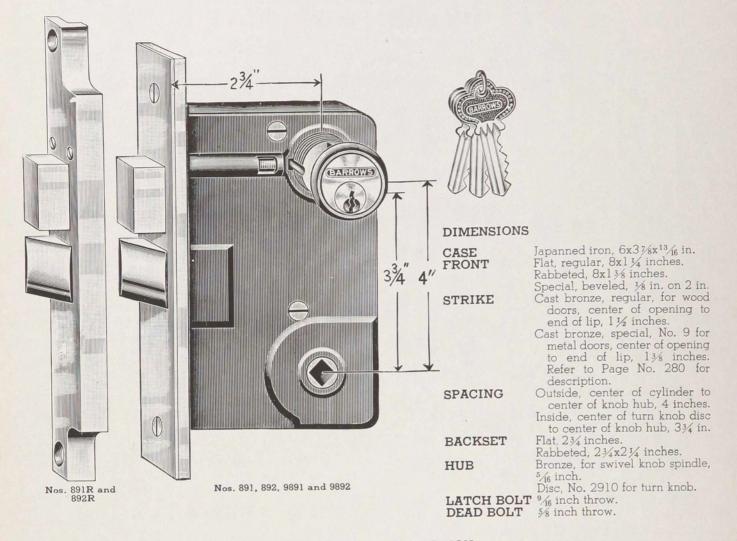
Beveled locks, not reversible.

Specify hand described on Page No. 43.

Specify thickness of door.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

STANDARDIZED MORTISE OFFICE DOOR LOCK



OPERATION

Nos. 891 and 891R—Latch Bolt, by knobs from both sides. Dead Bolt, by key from outside and by turn knob from inside.

No. 9891—Same operation as No. 891 except made to template and packed with No. 9 strike and machine screws for metal door and jamb.

Nos. 892 and 892R—Latch Bolt, by knobs from both sides. Dead Bolt, by key from either side.

OPERATION

No. 9892—Same operation as No. 892 except made to template and packed with No. 9 strike and machine screws for metal doors and jambs.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

We manufacture a complete series of heavy duty standardized locks for wood doors and metal doors which fit same mortise dimensions.

REVERSIBLE-Type "O" Construction, Page No. 279

Number	Front and Bolts	Cylinders	Keys	Changes
891	Cast Bronze, Flat Cast Bronze, Rabbeted Cast Bronze, Flat Cast Bronze, Flat Cast Bronze, Rabbeted Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited
*891R		One, Cast Bronze, No. 5	Three, 615	Unlimited
9891		One, Cast Bronze, No. 5	Three, 615	Unlimited
892		Two, Cast Bronze, No. 5	Three, 615	Unlimited
*892R		Two, Cast Bronze, No. 5	Three, 615	Unlimited
9892		Two, Cast Bronze, No. 5	Three, 615	Unlimited

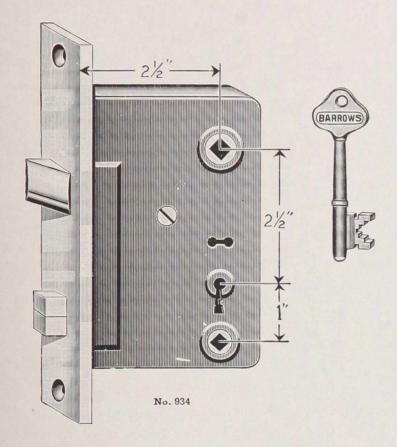
Packed each in a box, complete with screws.

Beveled front locks, Not Reversible. Specify hand described on Page No. 43.

*Not Reversible. Specify hand.

Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.

FOR COMMUNICATING DOORS



DIMENSIONS

CASE Japanned iron, 6x31/2x13/16 inches. FRONT Flat, 71/8x1 1/8 inches.

STRIKE Center of opening to end of lip,

1 1/2 inches. Center of keyhole to center of knob hub, 2½ inches.
Center of key hole to center of turn knob hub, 1 inch. SPACING

BACKSET 2½ inches. HUBS

Bronze, for knob spindle, 5/16 inch. Bronze, for turn knob spindle, 3/16 in.

LATCH BOLT 7/16 inch throw. DEAD BOLT 1/2 inch throw.

OPERATION

Latch Bolt, by knobs from both sides.

Dead Bolt, by independent turn knobs from either side. Key deadlocks dead bolts so turn knobs will not operate.

MASTER-KEYING

Can be master-keyed in 12 groups of 120 each. The 1440 all different, with each group subject to a master key and all subject to a grand master key. The lock can be master-keyed with any lock using same class master key.

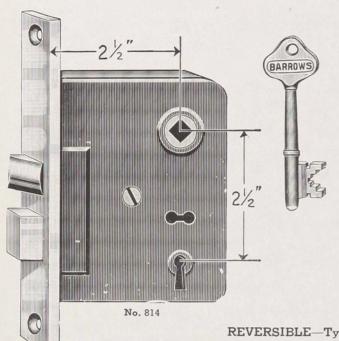
REVERSIBLE-Type "J" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Change Keys	Changes	Master Key
934	Cast Bronze	Cast Bronze	Four, Steel	Two, 58R	1440	58RM

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify thickness of door.



FOR INTERIOR DOORS

DIMENSIONS

STRIKE

CASE Japanned iron, 4 1/4 x 3 3/8 x 13/16 inches. FRONT Flat, 6 1/8 x 1 1/8 inches.

Center of opening to end of lip, 1 1/8 in. Center of hub to center of keyhole, 2 1/2 in.

SPACING Center of hub BACKSET 2½ inches.

HUB Bronze, for knob spindle, 5/16 inch.

LATCH BOLT 7/16 inch throw. DEAD BOLT 1/2 inch throw.

OPERATION

Latch Bolt, by knob from both sides. Dead Bolt, by key from either side.

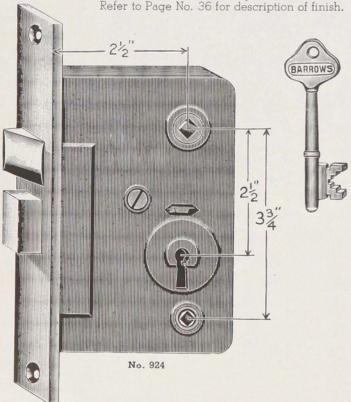
MASTER-KEYING

Master-keyed in 12 groups of 120 each. The 1440 all different, with each group subject to a master key and all subject to a grand master key. Can be master-keyed with any lock using same class master key.

REVERSIBLE-Type "J" Construction, Page No. 279

Number	Front and Bolts	Tumblers	Change Key	Changes	Master Key
814	Cast Bronze	Four, Steel	One, 58R	1440	58RM

Packed each in a box, complete with screws. Specify Number and Finishes.



FOR BATH DOORS

DIMENSIONS

CASE Japanned iron, 5½x338x¹³/₁₆ inches. Flat, 7½x1 ½ inches.

STRIKE Center of opening to end of lip, 1½ in.

Center of knob hub to center of keyhole,

21/2 inches. Center of knob hub to center of turn knob

hub, 33/4 inches.

BACKSET 2½ inches.
HUBS Bronze for

Bronze, for knob spindle, $\frac{5}{16}$ inch. Bronze, for turn knob spindle, $\frac{3}{16}$ inch.

LATCH BOLT 7/16 inch throw.
DEAD BOLT 1/2 inch throw.

OPERATION

Latch Bolt, by knob from both sides. Dead Bolt, by key from outside and by turn knob inside.

MASTER-KEYING

Master-keyed in 12 groups of 120 each. The 1440 all different, with each group subject to a master key and all subject to a grand master key.

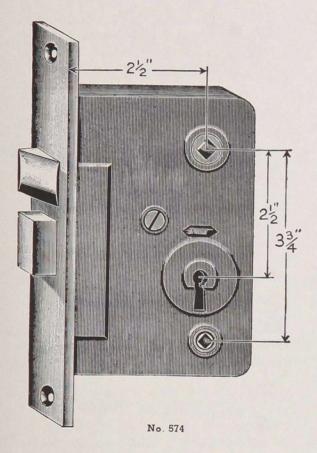
Can be master-keyed with any lock using same class master key.

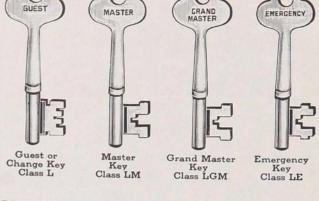
REVERSIBLE—Type "J" Construction, Page No. 279

NT 1					
Number	Front and Bolts	Tumblers	Change Key	Changes	Master Key
924	Cast Bronze	Four, Steel	One, 58R	1440	58RM
			OHO, OOK	1440	COLIVI

Packed each in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

FOR CORRIDOR DOORS





DIMENSIONS

CASE
FRONT
STRIKE
SPACING

Japanned iron, 53/8x33/8x5/8 inches.
Flat, 73/8x11/16 inches.
Center of opening to end of lip, 11/8 in.
Outside, center of keyhole to center of

knob hub, 2½ inches.

SPACING

knob hub, 2½ inches.

Inside, center of knob hub to center of

BACKSET

Inside, center of knob hub to center of turn knob hub, 334 inches.

2½ inches.

HUBS

Bronze, for knob spindle, $\frac{5}{16}$ inch.

Bronze, for turn knob spindle, $\frac{3}{16}$ inch.

LATCH BOLT 7/16 inch throw.
DEAD BOLT 1/2 inch throw.

OPERATION

Latch Bolt, by knobs from both sides at all times.

Dead Bolt, from outside by guest, master, grand master and emergency keys, except when locked by turn knob from inside, then by emergency key only.

Dead Bolt, from inside by turn knob only.

When locked from inside with turn knob, can be operated from outside by emergency key only.

This lock cannot be furnished with indicator feature.

MASTER-KEYING

This lock can be master-keyed in 8 groups of 80 each, the 640 all different, with each group subject to a master key and all subject to a grand master key.

This lock can be master-keyed with any lock using same class master key.

KEY ARRANGEMENT

Guest Key or Change Key • Operates only the one lock constructed to be controlled by same. Bow of key stamped with room number when requested.

Master Key or Maid's • Operates any group of locks constructed to be controlled by same, except when locked from inside by turn knob. Bow of key stamped "Maid" and the floor number, when requested.

Grand Master Key or Housekeeper's • Operates all locks and groups of locks constructed to be controlled by same, except when locked from inside by turn knob. Bow of key stamped "Housekeeper" when requested.

Emergency Key • Operates all locks constructed to be controlled by same even when locked from inside by turn knob. If requested "Shut Out" feature can be added in lock so when locked by emergency key cannot be unlocked with any other key.

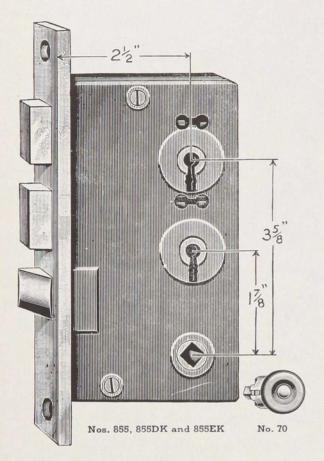
NOT REVERSIBLE-Type "J" Construction, Page No. 279

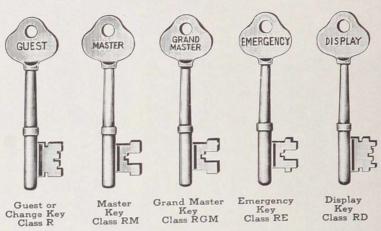
Number	Front	Bolts	Tumblers	Change Keys	Changes	Master Key
574	Cast Bronze	Cast Bronze	Four, Steel	Two, 55L	640	55LM

Packed each in a box, complete with screws. Specify number and finish. Refer to Page No. 36 for description of finishes. Specify hand described on Page No. 43.

HOTEL LOCKS MORTISE

FOR CORRIDOR DOORS





DIMENSIONS

Japanned iron, 6x3½x13/16 inches. CASE

FRONT Flat. 7 7/8xl 1/8 inches.

Center of opening to end of lip, 11/2 inches. STRIKE

Outside, center of keyhole to center of knob hub, SPACING

35/8 inches.

Inside, center of keyhole to center of knob hub,

1 7/8 inches.

BACKSET 21/2 inches.

Bronze, for knob spindle, 5/16 inches. HUB

LATCH BOLT 7/16 inch throw. DEAD BOLTS 1/2 inch throw.

OPERATION

No. 855—Latch Bolt, by knobs from both sides.

Upper Dead Bolt, by guest's, master, grand master and emergency keys from outside.

Lower Dead Bolt, by guest's key from inside.

When locked from inside, lock can be operated from outside by emergency key only.

When locked from inside, knobs are rigid and function as an indicator showing that room is occupied.

No. 855DK—Same as No. 855 with the additional feature

of a display key.

No. 855EK—Same as No. 855 with the additional feature of the emergency key functioning as a shut out key

Push button indicator No. 70 can be used in connection with above locks by specifying.

MASTER-KEYING

Can be master-keyed in 12 groups of 120 each. The 1440 all different, with each group subject to a master key and all subject to a grand master key

This lock can be master-keyed with any lock using same class master key.

KEY ARRANGEMENT

Guest Key or Change Key • Operates only the one lock constructed to be controlled by same. Bow of key stamped with room number when requested.

Master Key or Maid's • Operates any group of locks constructed to be controlled by same and when not locked from inside by guest key. Bow of key stamped "Maid" and the floor number when requested.

Grand Master Key or Housekeeper's . Operates all locks and group of locks constructed to be controlled by same except when locked from inside by guest key. Bow of key stamped "Housekeeper's" when requested

Emergency Key • Operates all locks constructed to be controlled by same even when locked from the inside by guest key.

Display Key • Operates only the one lock constructed to be controlled by same. When locked with this key be controlled by same. "shuts out" all other keys except the emergency key.

NOT REVERSIBLE—Type "J" Construction, Page No. 279

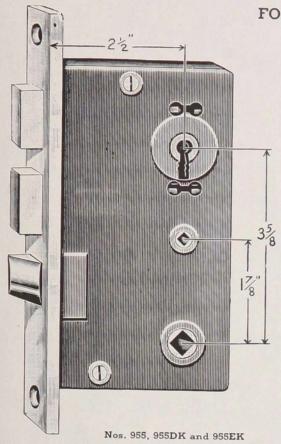
Number	Front	Bolts	Tumblers	Change Keys	Changes	Master Key
855	Cast Bronze	Cast Bronze	Five, Steel	Two, 58R	1440	58RM
855 DK	Cast Bronze	Cast Bronze	Five, Steel	Two, 58R	1440	58RM
855 EK	Cast Bronze	Cast Bronze	Five, Steel	Two, 58R	1440	58RM

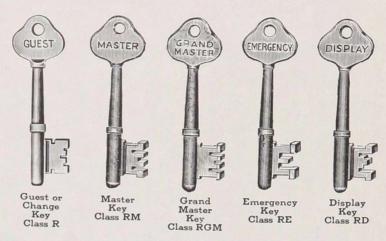
Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify hand described on Page No. 43.

FOR CORRIDOR DOORS





DIMENSIONS

CASE FRONT STRIKE SPACING

Japanned iron, $6x3\frac{1}{2}x^{13}/_{6}$ inches. Flat, $7\frac{1}{8}x1\frac{1}{8}$ inches.

Center of opening to end of lip, 1 ½ inches.

Outside, center of keyhole to center of knob hub,

35/8 inches.

Inside, center turn knob hub to center of knob hub,

1 % inches. 2½ inches.

BACKSET HUBS

Bronze, for knob spindle, $\frac{5}{16}$ inches. Bronze, for turn knob spindle, $\frac{3}{16}$ inches.

LATCH BOLT DEAD BOLTS

7/16 inch. 1/2 inch.

OPERATION

No. 955—Latch Bolt, by knobs from both sides.

Upper Dead Bolt, by guest, master, grand master and emergency keys from outside.

Lower Dead Bolt, by turn knob inside.

When locked from inside, lock can be operated from outside by emergency key only.

When locked from inside, knobs are rigid and function as an indicator showing that room is occupied.

No. 955DK—Same as 955 with the additional feature of a display key.

No. 955EK—Same as 955 with the additional feature of the emergency key functioning as a "shut out" key.

MASTER-KEYING

Can be master-keyed in 12 groups of 120 each, the 1440 all different, with each group subject to a master key and all subject to a grand master key.

This lock can be master-keyed with any lock using same class master key.

KEY ARRANGEMENT

Guest Key or Change Key • Operates only the one lock constructed to be controlled by same. Bow of key stamped with room number when requested.

Master Key or Maid's • Operates any group of locks constructed to be controlled by same, except when locked from inside by turn knob. Bow of key stamped 'Maid" and the floor number, when requested.

Grand Master Key or Housekeeper's • Operates all locks and groups of locks constructed to be controlled by same, except when locked from inside by turn knob. Bow of key stamped "Housekeeper's" when requested.

Emergency Key • Operates all locks constructed to be controlled by same even when locked from inside by turn knob.

Display Key • Operates only the one lock constructed to be controlled by same. When locked with this key "shuts out" all other keys except the emergency.

NOT REVERSIBLE—Type "J" Construction, Page No. 279

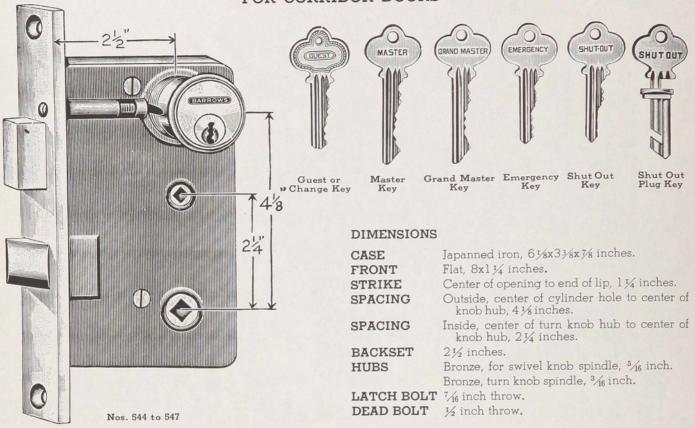
Number	Front	Bolts	Tumblers	Change Keys	Changes	Master Key
955	Cast Bronze	Cast Bronze	Five, Steel	Two, 58R	1440	58RM
955 DK	Cast Bronze	Cast Bronze	Five, Steel	Two, 58R	1440	58RM
955 EK	Cast Bronze	Cast Bronze	Five, Steel	Two, 58R	1440	58RM

Packed each in a box, complete with screws.

Specify number and finish. Refer to Page No. 36 for description of finishes.

Specify hand described on Page No. 43.

FOR CORRIDOR DOORS



No. 544—Latch Bolt, by knob from both sides. Dead Bolt, by turn knob from inside and by guest, master and grand master key from corridor side, except when locked by turn knob from inside, then by guest key only. When locked from inside by turn knob, knobs are rigid, acting as indicator that room is occupied.

No. 545—Same as No. 544 with additional feature of emergency key, which will operate at all times.

No. 546—Same as No. 544, but furnished with a shut out cylinder so that when locked with a shut out key all other keys will not operate. Furnished in a limited number of key changes.

No. 547—Same as No. 544, but furnished with split shut out key plug so that all other keys will not operate.

KEYING ARRANGEMENT

Guest Key or Change Key • Operates only the one lock constructed to be controlled by same. Bow of key stamped with room number when requested.

Master Key or Maid's • Operates any group of locks constructed to be controlled by same, except when locked from inside by turn knob. Bow of key stamped "Maid" and the floor number when requested.

Grand Master Key or Housekeeper's • Operates all locks and groups of locks constructed to be operated by same, except when locked from inside by turn knob. Bow of key stamped "Housekeeper" when requested.

Emergency Key • Operates all locks constructed to be controlled by same even when locked from inside by turn knob.

Special Shut Out Plug Key • This split key enters the cylinder plug and by withdrawing the bow brings out one-half of the key, the other half remaining in the cylinder plug, making it impossible to insert any other key. Only a few required for a large building, thereby giving an inexpensive shut out system.

Special shut out plug keys furnished at additional charge. Specify quantity required.

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

NOT REVERSIBLE—Type "M" Construction, Page No. 279

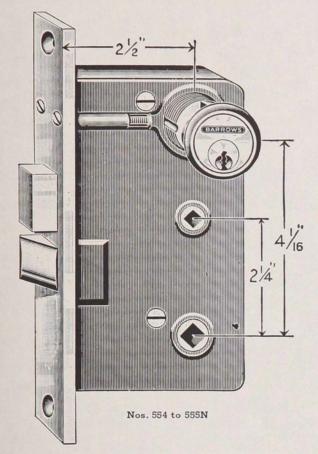
Number	Front and Bolts	Cylinder	Kevs	Changes
			-	
544 545 546 547	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze	One, Cast Bronze, No. 5 One, Cast Bronze, No. 5 One, Cast Bronze, No. 5 One, Cast Bronze, No. 5	Three, 615 Three, 615 Three, 615 Three, 615	Unlimited Unlimited Unlimited Unlimited

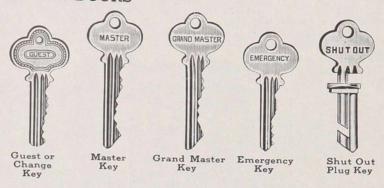
Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify hand described on Page No. 43.

FOR CORRIDOR DOORS





DIMENSIONS

CASE FRONT

STRIKE SPACING

Japanned iron, 578x3½x¾ inches.
Flat, regular, 7¾x1½ inches.
Flat, narrow, 7¾x1 inch.
Center of opening to end of lip, 1½ inches.

Outside, center cylinder hole to center knob hub,

 $4\frac{1}{16}$ inches. Inside, center turn knob hub to center knob hub,

21/4 inches. 2½ inches.

Bronze, for swivel knob spindle, 5/16 inch. Bronze, for turn knob spindle, 3/16 inch.

LATCH BOLT 7/16 inch throw.
1/2 inch throw. DEAD BOLT

OPERATION

BACKSET

HUBS

No. 554—When door is closed it is automatically locked, and lock can be operated by key only from outside and by knob from inside. Outside knob is rigid at all times.

When locked by turn knob from inside, all keys are made inoperative from the outside except the emergency key.

When thus locked, all keys except the emergency keys are free to revolve without engaging any part of the locking mechanism, thus indicating that the room is occupied.



Double Cams Used



No. 555—Same as No. 554 with the addition of button indicator No. 70 which shows whether room is occupied or not.

No. 554N, narrow front, operation same as No. 554. No. 555N, narrow front, operation same as No. 555. Push button indicator No. 70 can be used in connection with above locks by specifying.

KEY ARRANGEMENT

Guest or Change Keys . Operates only the one lock constructed to be controlled by same. Bow of key stamped with room number when requested.

Master or Maid's Key . Operates any group of locks constructed to be controlled by same, except when locked from inside by turn knob. Bow or key stamped ''Maid'' and the floor number when requested.

Grand Master or Housekeeper's Key • Operates all locks and group of locks constructed to be controlled by same except when locked from inside by turn knob. Bow stamped from inside by turn knob. Bo "Housekeeper's" when requested.

Special Shutout Plug Key . This split key enters the cylinder plug and by withdrawing the bow brings out half of the key, the other half remains in the cylinder plug making it impossible to insert any other key. Only a few required for a large building giving an inexpensive shutout system. Special shutout plug keys furnished at additional charge. Specify quantity required.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class

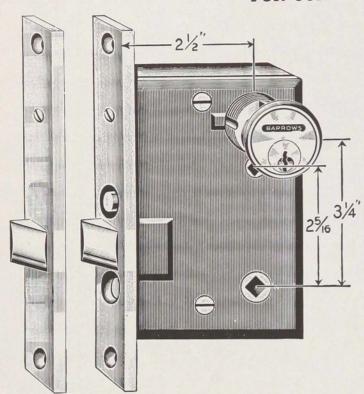
NOT REVERSIBLE—Type "M" Construction, Page No. 279

Number	Front and Bolts	Cylinder	Keys	Changes
554	Cast Bronze	One, Cast Bronze, No. 9	Three, 615	Unlimited
555	Cast Bronze	One, Cast Bronze, No. 9	Three, 615	Unlimited
554 N	Cast Bronze	One, Cast Bronze, No. 9	Three, 615	Unlimited
555 N	Cast Bronze	One, Cast Bronze, No. 9	Three, 615	Unlimited

Packed each in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify hand described on Page No. 43. Specify thickness of door.

MORTISE APARTMENT AND HOTEL LOCK

FOR CORRIDOR DOORS



Nos. 5641/2 and 5651/2

Nos. 564 and 565

OPERATION

No. 564—With stops in front. By knob from outside, except when set by stops in front of lock. By knob from inside at all times. By guest, master and grand master key from outside, except when locked from inside by turn knob, then by guest and emergency key only.

No. 564½—Without stops in front. Always locked when door is closed. By knob from inside at all times. By guest, master and grand master key from outside, except when locked from inside by turn knob, then by guest and emergency key only.

No. 565—Same as No. 564, except furnished with a shut out cylinder so that when locked with a shut out key all other keys will not operate. Furnished in a limited number of key changes.

No. 5651/2—Same as No. 5641/2, except furnished with a shut out cylinder so that when locked with a shut out key all other keys will not operate. Furnished in a limited number of key changes.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

GRAND MASTER EMERGENCY MASTER Grand Master Emergency Key Key Shutout Guest or Change Key Key

DIMENSIONS

Japanned iron, 5x33/4x11/16 inches. CASE

Flat, 7xl inches. FRONT

Center of opening to end of lip, 1 inch. STRIKE Protected, always furnished unless other-STRIKE

wise specified.

Outside, center of cylinder to center of knob hub, 31/4 inches. SPACING

Inside, center of knob hub to center of turn knob hub, $2^5/6$ inches.

2½ inches. BACKSET

Iron, for swivel knob spindle, 5/16 inch. HUBS

Bronze, for turn knob spindle, 3/16 inch.

LATCH BOLT 7/16 inch throw.

KEY ARRANGEMENT

Guest Key or Change • Operates only the one lock constructed to be controlled by same. Bow of key stamped with room number when requested.

Master Key or Maid's • Operates any group of locks constructed to be controlled by same, except when locked from inside by turn knob. Bow of key stamped "Maid" and the floor number when requested.

Grand Master Key or Housekeeper's • Operates all locks and groups of locks constructed to be controlled by same, except when locked from inside by turn knob. Bow of key stamped "Housekeeper's" when requested.

Emergency Key • Operates all locks constructed to be controlled by same key, even when locked from inside by turn knob.

Special Shut Out Plug . This split key enters the cylinder plug and by withdrawing the bow brings out half of the key. The other half remains in the cylinder plug, making it impossible to insert any other key. Only a few required for a large building, thereby giving an inexpensive shut out system.

These locks are subject to duplicate guest key operation if wanted. Duplicate guest key will not operate when door is locked on inside by turn knob. Can be furnished on order.

NOT REVERSIBLE-Type "M" Construction, Page No. 279

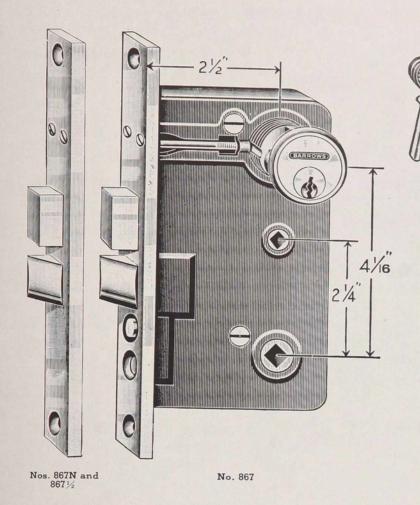
Number	Front and Bolt	Cylinder	Keys	Changes
564	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited
564 ½	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited
565	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited
565 ½	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Not Reversible. Specify hand described on Page No. 43.

MORTISE APARTMENT HOUSE LOCK



FOR CORRIDOR DOORS

DIMENSIONS

DEAD BOLT

CASE

Japanned iron, 57/8x31/2x3/4 inches. Add I inch to special backset for width of case. FRONT Flat, Regular, 73/4x1 1/8 inches. FRONT Flat, Narrow, 73/4xl inches. STRIKE Center of opening to end of lip, 13/8 inches. SPACING Outside, center of cylinder to center of knob hub, $4\frac{1}{16}$ inches. SPACING Inside, center of turn knob hub to center of knob hub, 21/4 inches. BACKSET 2½ inches. HUBS Bronze, for swivel knob spindle, 5/16 inch. Bronze, for turn knob spindle, 3/16 in. LATCH BOLT 7/16 inch throw.

1/2 inch throw.

OPERATION

No. 867—Latch Bolt, by knob from outside when stop in front of lock is not set. By key from outside when stop is set. By knob from inside at all times.

Dead Bolt, by tenant's or change key from outside and by turn knob from inside.

No. 867N-No stop works. Latch Bolt, by knobs from both sides at all times.

Dead Bolt, by key from outside and by turn knob from inside.

No. 8671/2—No stop works. Outside knob rigid.

Nos. 867, 867N and 867 1/2—The tenant can shut out the janitor's or master key by throwing the dead bolt from outside with the tenant's or change key. The janitor's or master key will not operate the dead bolt.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

NOT REVERSIBLE—Type "M" Construction, Page No. 279

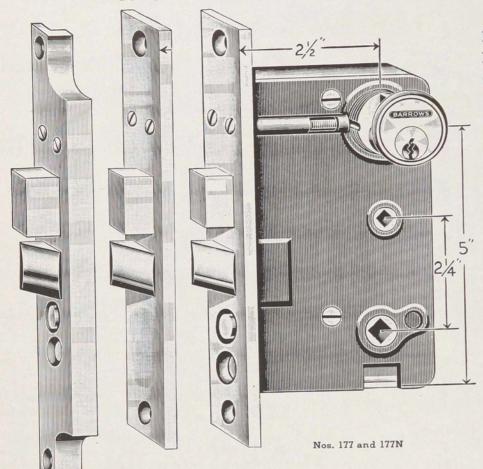
Number	Front and Bolts	Cylinder	Keys	Changes	
867 867 N 867½	Cast Bronze Cast Bronze Cast Bronze	One, Cast Bronze, No. 5 One, Cast Bronze, No. 5 One, Cast Bronze, No. 5	Three, 615 Three, 615 Three, 615	Unlimited Unlimited Unlimited	

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify hand described on Page No. 43.

Specify thickness of door.



FOR USE WITH ENTRANCE HANDLE OUTSIDE AND KNOB INSIDE



No. 177R

No. 177 1/2

DIMENSIONS

BACKSET

Japanned iron, 51/8x31/2x3/4 inches. Add 1 inch to special backsets for width CASE

of case.

Flat, regular, 734x1% inches. Flat, narrow, 734x1 inches. Rabbeted, $81/2x1^5$ inches. FRONT

Center of opening to end of lip, 1 3/8 in.

Outside, center of cylinder to bottom of lift, 5 inches. STRIKE SPACING

litt, 5 inches.
Inside, center of turn knob hub to center of knob hub, 2½ inches.
Flat, regular, 2½ inches.
Flat, special, 2 and 2¾ inches.
Rabbeted, regular, 2½x2 inches.
Rabbeted, special, 2¾x2½ inches.
Bronze, for knob spindle, No. 41B, 5/6 in.
Bronze, for turn knob spindle, 34 inches.

HUBS Bronze, for turn knob spindle, 3/16 inch.

16 inch throw. LATCH BOLT 1/2 inch throw. DEAD BOLT LIFT Bronze.

OPERATION

No. 177 Latch Bolt, by thumb piece from outside when stop in front is not set. By key from outside when stop is set. By knob from inside at all times.

Dead Bolt, by key from outside and by turn knob from inside.

No. 1771/2-No stop works. Latch Bolt by thumb piece outside and knob inside at all times. Dead Bolt, by key from outside and turn knob inside.

No. 177N Narrow Front, operation same as No. 177.

No. 177R—Rabbeted front. Operation same as No. 177.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

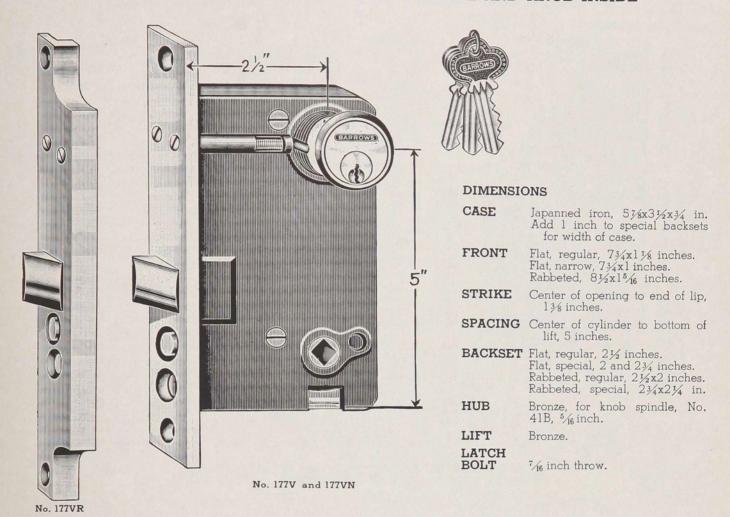
REVERSIBLE-Type "N" Construction, Page No. 279

Number	Front and Bolts	Cylinder	Keys	Changes
177	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited
177½	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited
177 N	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited
*177 R	Cast Bronze, 1/2 in. Rabbet	One, Cast Bronze, No. 5	Three, 615	Unlimited

*Not Reversible. Specify hand described on Page No. 43. Packed each in a box, complete with screws. Specify number and finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.

MORTISE VESTIBULE LATCH

FOR USE WITH ENTRANCE HANDLE OUTSIDE AND KNOB INSIDE



OPERATION

No. 177V—Latch Bolt, by thumb piece from outside when stop in front is not set. By key from outside when stop is set. By knob from inside at all times.

No. 177VN—Narrow Front. Operation same as No. 177V

OPERATION

No. 177VR—Rabbeted Front. Operation same as No. 177V

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE-Type "N" Construction, Page No. 279

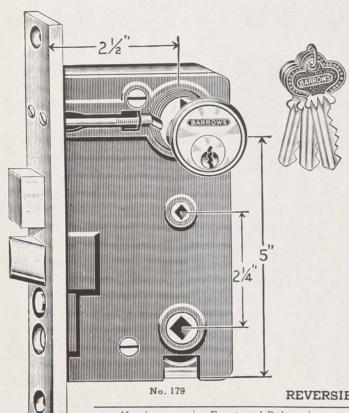
Number	Front and Bolt	Cylinder	Keys	Changes
177V	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited
177VN	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited
*177VR	Cast Bronze, ½ in. Rabbet	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws.

*Not Reversible. Specify hand described on Page No. 43.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify thickness of door.



FOR USE WITH ENTRANCE HANDLE OUTSIDE AND KNOB INSIDE FOR THIN STILE DOORS

DIMENSIONS

Japanned iron, 57/8x31/2x5/8 inches. CASE

FRONT Flat, 73/4x7/8 inches.

Center of opening to end of lip, 11/4 in. STRIKE Outside, center of cylinder to bottom of lift, 5 inches. SPACING

Inside, center of turn knob hub to center of knob hub, 2¼ inches.

2½ inches. BACKSET

Bronze, for knob spindle No. 41B, 5/16 in. HUBS Bronze, for turn knob spindle, 3/16 inches.

7/16 inch throw. LATCH BOLT LEAD BOLT 1/2 inch throw. LIFT

Bronze.

OPERATION

Latch Bolt, by thumb piece from outside when stop in front is not set, by key from outside when stop is set, by knob from inside at all times.

Dead Bolt, by key from outside and by turn knob inside.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE-Type "N" Construction, Page No. 279

Number	Front and Bolts	Cylinder	Keys	Changes
179	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws.

Specify number and finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.

MORTISE VESTIBULE LATCH 00 BARROWS 5 No. 179V

FOR USE WITH ENTRANCE HANDLE OUTSIDE AND KNOB INSIDE FOR THIN STILE DOORS

DIMENSIONS

Japanned iron, 578x3½x5% inches. Flat, 734x7% inches. CASE FRONT STRIKE

Center of opening to end of lip, 11/4 in. Center of cylinder to bottom of lift, 5 in. SPACING BACKSET 2½ inches.

HUB Bronze, for knob spindle No. 41B, 5/16 in.

7/16 inch throw. LATCH BOLT LIFT

Bronze.

Latch Bolt, by thumb piece from outside when stop in front is not set, by key from outside when stop is set, by knob from inside at all times.

MASTER-KEYING

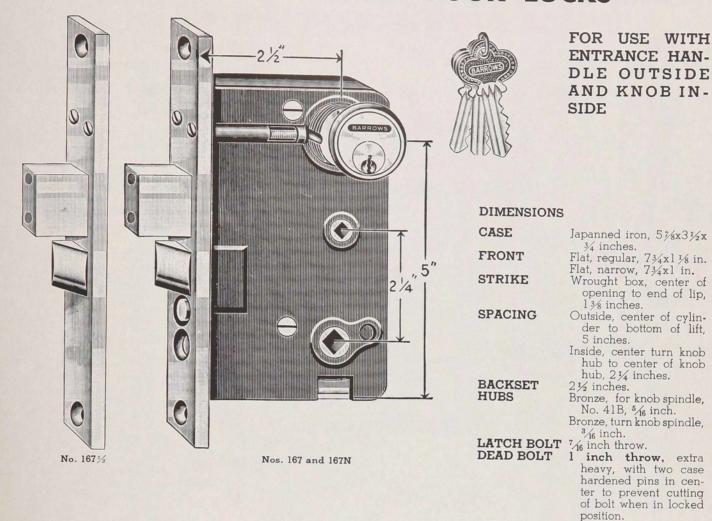
Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE-Type "N" Construction, Page No. 279

Number	Front and Bolt	Cylinder	Keys	Changes
179 V	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws.

Specify number and finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.



OPERATION

No. 167—Latch Bolt, by thumb piece from outside when stop in front of lock is not set, by key from outside when stop is set, by knob from inside at all times.

Dead Bolt, by key from outside and by turn knob from inside.

No. 167 $\frac{1}{2}$ —No stop works. Outside lift, by thumb piece and inside by knob at all times.

Dead Bolt, by key outside and turn knob inside. Key or turn knob must be used to throw bolts.

Bronze.

No. 167N—Narrow Front, operation same as No. 167.

LIFT

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE-Type "M" Construction, Page No. 279

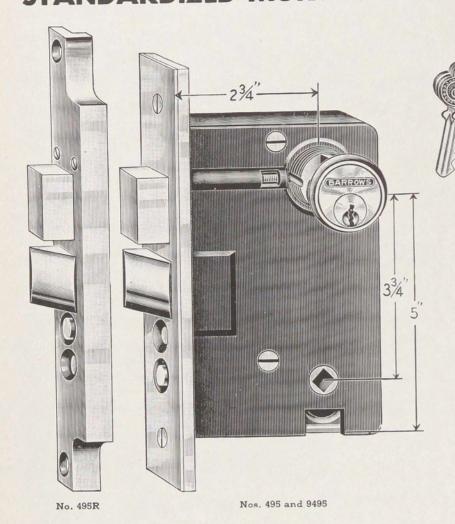
Number	Bolts	Cylinder	Keys	Changes
167	Cast Bronze	One, Cast Bronze, No. 6	Three, 615	Unlimited
167 ½	Cast Bronze	One, Cast Bronze, No. 6	Three, 615	Unlimited
167 N	Cast Bronze	One, Cast Bronze, No. 6	Three, 615	Unlimited

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify thickness of door.

STANDARDIZED MORTISE ENTRANCE DOOR LOCK



FOR USE WITH ENTRANCE HANDLE OUTSIDE AND KNOB INSIDE

DIMENSIONS

Japanned iron, 6x37/8x CASE 3/16 inches.

Flat, armored, regular, 8x1 1/4 inches. FRONT

Rabbeted, 87/8x13/8 in. Special, beveled 1/8 inch on 2 inches.

Cast Bronze, regular, for STRIKE wood doors, center of opening to end of lip,

1½ inches.

Cast Bronze, special, No. 9 for metal jambs, center of opening to end of lip, 13% inches. Refer to Page No. 280 for description.

Outside, center of cylin-SPACING der to bottom of lift, 5

inches.

inches.

Inside, center of turn knob disc, to center of knob hub, 3¾ inches.

Flat, 2¾ inches.

Rabbeted, 2¾x2¼ in.

Bronze, for knob spindle, No. 41B, 5√6 inch.

Disc. No. 2910 for turn knob flat

BACKSET

HUB

knob, flat. Bronze.

LIFT % inch throw. 5/8 inch throw. LATCH BOLT DEAD BOLT

OPERATION

No. 495 and 495R—Latch Bolt, by thumb piece from outside when stop in front of lock is not set, by key from outside when stop is set. By knob from inside at all times. Dead Bolt, by key from outside and by turn knob inside. No. 9495—Same as No. 495 except made to template and packed with No. 9 strike and machine screws for metal door and jamb.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

We manufacture a complete series of heavy duty standardized locks for wood doors and metal doors which fit same mortise dimensions.

REVERSIBLE—Type "M" Construction, Page No. 279

Number	Front and Bolts	Cylinder	Keys	Changes	
495 *495 R 9495	Cast Bronze, Flat Cast Bronze, Rabbeted Cast Bronze, Flat	One, Cast Bronze, No. 5 One, Cast Bronze, No. 5 One, Cast Bronze, No. 5	Three, 615 Three, 615 Three, 615	Unlimited Unlimited Unlimited	

Packed each in a box, complete with screws.

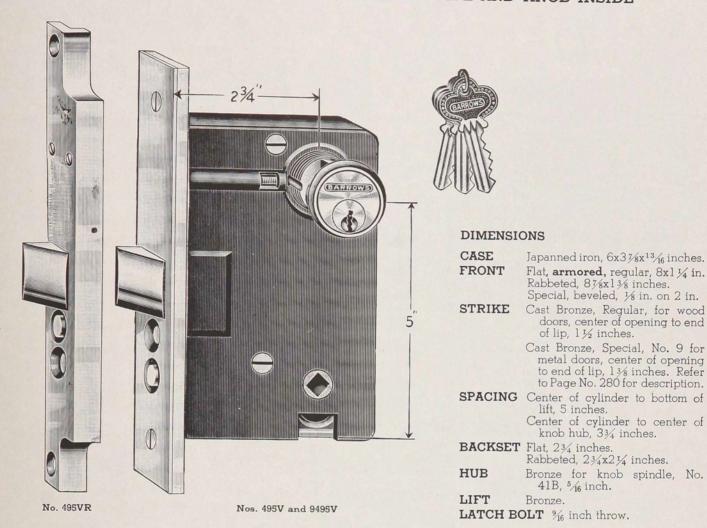
Beveled front locks not reversible. Specify hand described on Page No. 43.

*Not reversible. Specify hand described on Page No. 43.

Specify number and finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.

STANDARDIZED MORTISE VESTIBULE DOOR LATCH

FOR USE WITH ENTRANCE HANDLE OUTSIDE AND KNOB INSIDE



OPERATION

Nos. 495V and 495VR—Latch Bolt, by thumb piece from outside when stop in front of lock is not set. By key from outside when stop is set. By knob from inside at all times.

No. 9495V—Same as No. 495V except made to template and packed with No. 9 strike and machine screws for metal door and jamb.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

We manufacture a complete series of Heavy Duty Standardized Locks for wood doors and metal doors which fit same mortise dimensions.

345

REVERSIBLE-Type "M" Construction, Page No. 279

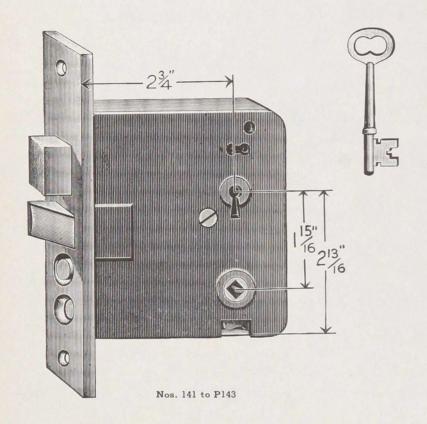
Number	Front and Bolts	Cylinder	Keys	Changes
495V	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited
9495V	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited
*495VR	Cast Bronze, Rabbeted	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws.

Beveled front locks not reversible. Specify hand described on Page No. 43.

*Not Reversible. Specify hand described on Page No. 43.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



FOR USE WITH ENTRANCE HANDLE OUTSIDE AND KNOB INSIDE

DIMENSIONS

CASE FRONT Japanned iron, 41/4x35/8x3/4 in.

Flat, 6½xl½xl½ inches.

STRIKE

Center of opening to end of lip,

1 1/4 inches.

SPACING

Outside, center of keyhole to bottom of lift, 2¹³/₆ inches. Inside, center of keyhole to center of knob hub, l ¹⁵/₁₆ inches.

BACKSET

23/4 inches.

HUB

Iron, for knob spindle No. 41 or 41B, 5/16 inch.

LATCH BOLT 7/16 inch throw. DEAD BOLT

1/2 inch throw.

LIFT

Iron.

OPERATION

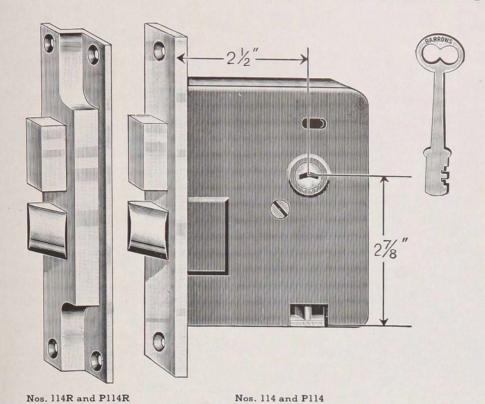
Latch Bolt, by thumb piece from outside when stop in front is not set, by key from outside when stop is set. By knob from inside at all times. Dead Bolt, by key from either side. Both bolts are operated by same key.

REVERSIBLE-Type "M" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Keys	Changes
141	Cast Bronze	Cast Bronze	One, Steel	Two, 51B	12
143	Cast Bronze	Cast Bronze	Three, Steel	Two, 51B	36
P141	Wrought Steel	Cast Iron	One, Steel	Two, 51B	12
P143	Wrought Steel	Cast Iron	Three, Steel	Two, 51B	36

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



TRANCE HANDLES BOTH SIDES

FOR USE ON STORE DOORS WITH EN-

DIMENSIONS

CASE Japanned iron, 41/2x 35/8x3/4 inches. Flat, 6½x1½ inches. Rabbeted, 7¾x1½ inches. Center of opening to FRONT STRIKE end of lip, 13/8 in. Center keyway to bottom of lift, 27/8 SPACING inches.
Flat, 2½ inches.
Rabbeted, 2½x2 in. BACKSET LIFT Iron. LATCH BOLT ½ inch throw. ½ inch throw. DEAD BOLT

OPERATION

Latch Bolt, by thumb piece from both sides. Dead Bolt, by key from either side.

MASTER-KEYING

Cannot be master-keyed.

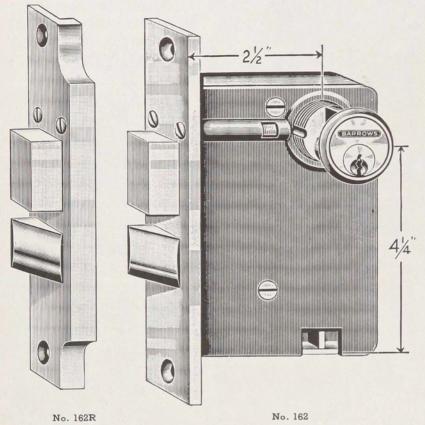
REVERSIBLE-Type "N" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Change Keys	Changes
114	Cast Bronze, Flat	Cast Bronze Cast Bronze Cast Bronze Cast Bronze	Three, Steel	Two, 57Y	48
P114	Cast Iron, Flat		Three, Steel	Two, 57Y	48
*114R	Cast Bronze, Rabbeted		Three, Steel	Two, 57Y	48
*P114R	Cast Iron, Rabbeted		Three, Steel	Two, 57Y	48

Packed each in a box, complete with screws.

*Not Reversible. Specify hand described on Page No. 43.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



FOR USE ON STORE DOORS WITH ENTRANCE HANDLES BOTH SIDES

DIMENSIONS

CASE

Japanned iron, 5x3½x

½ inches.

Add 1 inch to special backsets for width of case.

FRONT

Flat, 7x1¼ inches.
Rabbeted, 7¾x1½ inches.
Center of opening to end of lip, 1¾ inches.

Center of opining to end of lip, 1¾ inches.
Center of cylinder to bottom of lift, 4¼ in.
Flat, regular, 2½ inches.
Flat, special, 2¾, 3, 3¼, 3½, 3¾, and 4 inches.
Rabbeted, 2½x2 inches.
Iron.

Inon.
Inon.

1/2 inch throw.

DEAD BOLT OPERATION

Latch Bolt, by thumb piece, both sides. Dead bolt, by key from either side.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

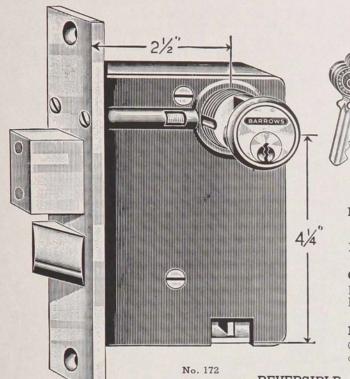
REVERSIBLE—Type "N" Construction, Page No. 279

Number	Front and Bolts	Cylinders	Change Keys	Changes
162	Cast Bronze	Two, Cast Bronze, No. 5	Three, 615	Unlimited
*162R	Cast Bronze, Rabbeted	Two, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws.

*Not Reversible. Specify hand described on Page No. 43.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



FOR USE ON STORE DOORS WITH ENTRANCE HANDLES BOTH SIDES

DIMENSIONS

CASE FRONT

Japanned iron, 5x31/2x3/4 in.

Flat, 7x1 1/4 inches. STRIKE

Wrought box, center of opening to end of lip, 1 5/8 inches. Center of cylinder to bottom of lift, 41/4 inches. SPACING

BACKSET 2½ inches. LIFT Iron.

LATCH BOLT 7/16 inch throw.

Extra heavy with two case hardened pins in center to prevent cutting when in locked DEAD BOLT

position.

DEAD BOLT Has l inch throw.

OPERATION

Latch Bolt, by thumb piece from both sides. Dead Bolt, by key from either side.

MASTER-KEYING

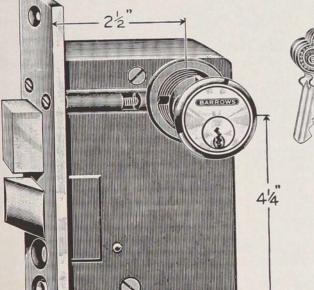
Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE-Type "N" Construction, Page No. 279

Number	Front and Bolts	Cylinders	Keys .	Changes
172	Cast Bronze	Two, Cast Bronze, No. 6	Three, 615	Unlimited

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.



DIMENSIONS

CASE Japanned iron, 5x31/2x1/8 inches. FRONT Flat, 7xl 1/4 inches.

STRIKE Center of opening to end of lip, 1 5/8 inches.

SPACING Center of cylinder to bottom of

lift, 41/4 inches.
Inside of No. 164, center of turn knob to bottom of lift, 4 inches.

Bronze. LIFT BACKSET 2½ inches.

Disc No. 2910 for turn knob.
7/16 inch throw.
1/2 inch throw. LATCH BOLT DEAD BOLT

OPERATION

No. 163—Latch Bolt, by thumb piece from the outside when stop in front of lock is not set. By key from outside when stop is set. Thumb piece, from inside at all times. Dead Bolt, by key from either side.

No. 164—Same operation as 163 except turn knob from inside instead of key.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

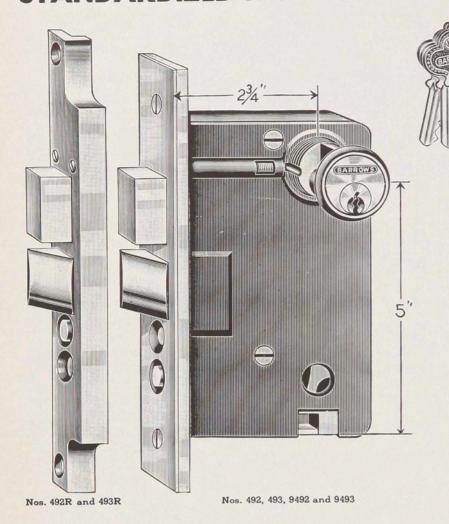
Nos. 163 and 164

REVERSIBLE-Type "N" Construction, Page No. 279

Number	Front and Bolts	Cylinders	Keys	Changes
163	Cast Bronze	Two, Cast Bronze, No. 5	Three, 615	Unlimited
164	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.

STANDARDIZED MORTISE ENTRANCE DOOR LOCK



FOR USE ON STORE WITH DOORS ENTRANCE HANDLES BOTH SIDES

DIMENSIONS

Japanned iron, 6x37/8x CASE 13/16 inches. Flat, armored, regular, FRONT 8x1 1/4 inches Rabbeted, 878x13/8 in. Special, beveled, 1/8 inch on 2 inch. Cast Bronze, regular for STRIKE wood doors, center of opening to end of lip, 1 1/2 inches. Cast Bronze, special, No. 9 for metal doors, center of opening to end of lip, 13/8 inches. Refer to Page No. 280 for description. No. 492-9492, center of cylinders to bottom of SPACING lift, 5 inches. No. 493-9493, outside, center cylinder to bottom of lift 5 inches. Inside, center of turn knob disc No. 2910 to bottom of lift, 43/4 inches. BACKSET Flat, 23/4 inches. Rabbeted, 23/4x21/4 in. LIFT Bronze LATCH BOLT % inch throw.

OPERATION

Nos. 492 and 492R Latch Bolt, by thumb piece from outside when stop in front is not set, by key from outside when stop is set, by thumb piece from inside at all times.

Dead Bolt, by key from either side.

No. 9492—Same as No. 492 except made to template and packed with No. 9 strike and machine screws for metal door and jamb.

Nos. 493 and 493R—Same as No. 492, except dead bolt is operated by cylinder outside, and turn knob inside.

No. 9493—Same as 9490, except Dead Bolt is operated by cylinder outside and turn knob inside.

5/8 inch throw.

DEAD BOLT

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

We manufacture complete series of heavy duty standardized locks for wood doors and metal doors which fit same mortise dimensions

REVERSIBLE-Type "M" Construction, Page No. 279

Number	Front and Bolts	Cylinders	Keys	Changes
492 *492R 9492 493 *493R 9493	Cast Bronze, Flat Cast Bronze, Rabbeted Cast Bronze, Flat Cast Bronze, Flat Cast Bronze, Rabbeted Cast Bronze, Flat	Two, Cast Bronze, No. 5 Two, Cast Bronze, No. 5 Two, Cast Bronze, No. 5 One, Cast Bronze, No. 5 One, Cast Bronze, No. 5 One, Cast Bronze, No. 5	Three, 615 Three, 615 Three, 615 Three, 615 Three, 615 Three, 615	Unlimited Unlimited Unlimited Unlimited Unlimited Unlimited

Packed each in a box, complete with screws.

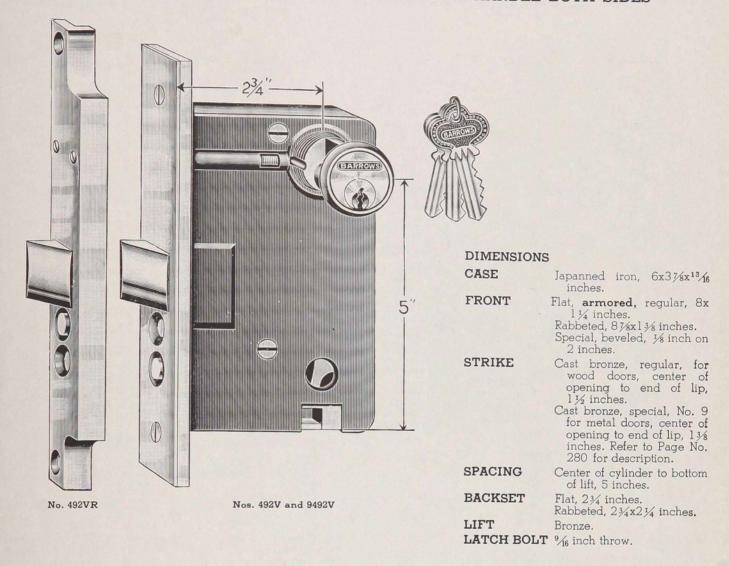
Beveled front locks not reversible. Specify hand described on Page No. 43.

*Not reversible. Specify hand described on Page No. 43.

Specify number and finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.

STANDARDIZED MORTISE ENTRANCE DOOR LATCH

FOR USE ON STORE DOORS WITH ENTRANCE HANDLE BOTH SIDES



OPERATION

Nos. 492V and 492VR—Latch Bolt, by thumb piece from outside when stop in front of lock is not set. By key from outside when stop is set. By thumb piece inside at all times.

No. 9492V—Same as 492V except made to template and packed with No. 9 strike and machine screws for metal door and jamb.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

We manufacture a complete series of heavy duty standardized locks for wood doors and metal doors which fit same mortise dimensions.

REVERSIBLE-Type "N" Construction, Page No. 279

Number	Front and Bolt	Cylinder	Keys	Changes
492V	Cast Bronze, Rabbeted	One, Cast Bronze, No. 5	Three, 615	Unlimited
9492V	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited
*492VR	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited

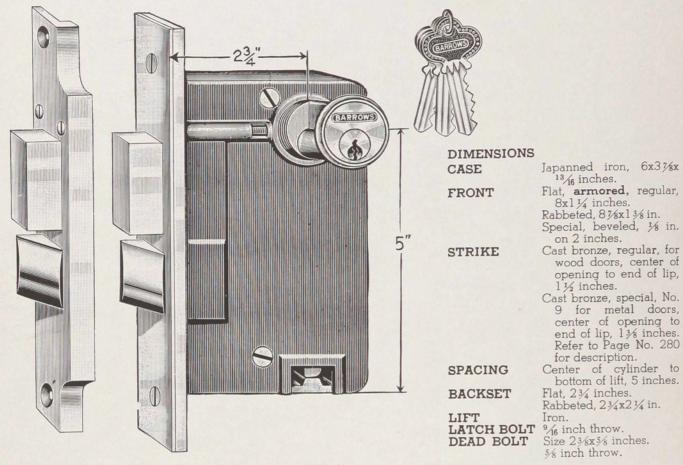
Packed each in a box, complete with screws.

Beveled front locks, Not Reversible. Specify hand described on Page No. 43.

*Not reversible. Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify hand described on Page No. 43. Specify thickness of door.

STANDARDIZED MORTISE ENTRANCE DOOR LOCKS

FOR USE ON STORE DOORS WITH ENTRANCE HANDLE BOTH SIDES



Nos. 490R and 491R

Nos. 490, 491, 9490 and 9491

OPERATION

No. 490 and 490R—Latch Bolt, by thumb pieces from both sides.

Dead Bolt, by key from either side.

No. 9490—Same as No. 490 except made to template and packed with No. 9 strike and machine screws for metal door and jamb.

Nos. 491 and 491R—Same as No. 490 except Latch Bolt has hold back feature.

No. 9491—Same as No. 9490 except Latch Bolt has hold back feature.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

We manufacture a complete series of heavy duty standardized locks for wood doors and metal doors, which fit same mortise dimensions.

REVERSIBLE-Type "N" Construction, Page No. 279

Number	Front and Bolts	Cylinders	Keys	Changes		
490 *490R 9490 491 *491R 9491	Cast Bronze, Flat Cast Bronze, Rabbeted Cast Bronze, Flat Cast Bronze, Flat Cast Bronze, Rabbeted Cast Bronze, Flat	Two, Cast Bronze, No. 5	Three, 615 Three, 615 Three, 615 Three, 615 Three, 615 Three, 615	Unlimited Unlimited Unlimited Unlimited Unlimited Unlimited Unlimited		

Packed each in a box, complete with screws.

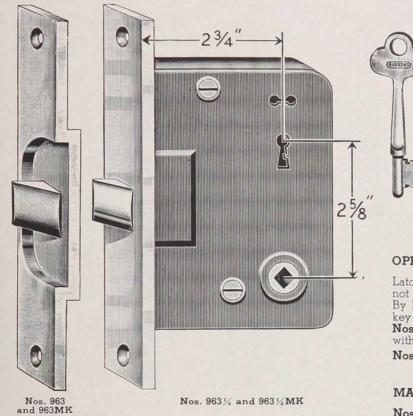
Beveled front locks, Not Reversible. Specify hand described on Page No. 43.

*Not Reversible. Specify hand described on Page No. 43.

Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.

MORTISE EMERGENCY LOCKS

FOR USE ON CORRIDOR DOORS, IN SCHOOLS, PUBLIC BUILDINGS, ETC., CANNOT BE LOCKED FROM INSIDE



DIMENSIONS

CASE Japanned iron, 5x35/8x3/4 in.

FRONT Flat, 7x1 1/8 inches.

STRIKE Center of opening to end of

lip, 1 1/2 inches.

SPACING Center of keyhole to center of knob hub, 25% inches.

BACKSET 23/4 inches.

HUB Bronze, for knob spindle,

5/16 inch.

LATCH BOLT 7/16 inch throw.

OPERATION

Latch Bolt, by knob from outside when interior stop is not set by key, by key from outside when stop is set. By knob from inside at all times. When locked with key outside knob is rigid.

Nos. 963 and 963M have recessed fronts inter-locking with strike and making nick proof

with strike and making pick proof.

Nos. 963 ¼ and 963 ¼ M have flat fronts.

MASTER-KEYING

Nos. 963MK and 963¼MK are master-keyed in 8 groups of 80 each, the 640 all different, with each group subject to a master key and all subject to a grand master key.

Can be master-keyed with any lock using same class master key.

REVERSIBLE-Type "M" Construction, Page No. 279

Number	Front	Bolt	Tumblers	Change Key	Changes	Master Key
*963	Cast Bronze, Recessed	Cast Bronze	Three, Steel	One, 55L	80	None
*963 MK	Cast Bronze, Recessed	Cast Bronze	Three, Steel	One, 55L	640	55LM
963 ¹ / ₄	Cast Bronze, Flat	Cast Bronze	Three, Steel	One, 55L	80	None
963 ¹ / ₄ MK	Cast Bronze, Flat	Cast Bronze	Three, Steel	One, 55L	640	55LM

Packed each in a box, complete with screws.

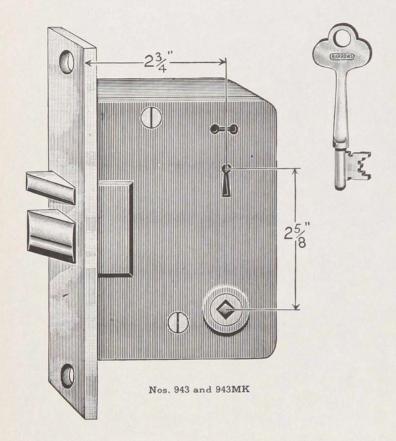
*Not reversible. Specify hand described on Page No. 43.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify thickness of door.

MORTISE EMERGENCY LOCKS

FOR USE ON CORRIDOR DOORS, IN SCHOOLS, PUBLIC BUILDINGS, ETC.,
CANNOT BE LOCKED FROM INSIDE



DIMENSIONS

Japanned iron, 5x35/8x3/4 inches. CASE FRONT Flat, 7xl 1/8 inches. Center of opening to end of lip, STRIKE 1 1/2 inches. Center of keyhole to center knob hub, 25% inches. SPACING BACKSET Bronze, for knob spindle, 5/16 inches. HUB LATCH BOLT 1/2 inch throw. AUXILIARY 7/16 inch throw. BOLT

OPERATION

Latch Bolt, by knob from outside when the interior stop is not set by key, by key from outside when stop is set, by knob from inside at all times. When locked with key, outside knob is rigid and the auxiliary bolt dead locks the latch bolt making it proof against end pressure.

MASTER-KEYING

No. 943MK is master-keyed in 8 groups of 80 each, the 640 all different, with each group subject to a master key and all subject to a grand master key.

Can be master-keyed with any lock using same class master key.

REVERSIBLE—Type "M" Construction, Page No. 279

Number	Front	Bolts	Tumblers	Change Key	Changes	Master Key
943	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	80	None
943 MK	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	640	55LM

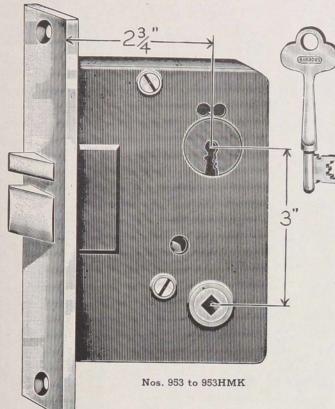
Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

MORTISE EMERGENCY LOCKS

FOR USE ON CORRIDOR DOORS, IN SCHOOLS, PUBLIC BUILDINGS, ETC.

CANNOT BE LOCKED FROM INSIDE



DIMENSIONS

CASE Japanned iron, 5½x3½x3¼ in. Flat, 7½x1⅓ inches.

STRIKE Center of opening to end of lip, 1 1/2

SPACING inches.

Center of keyhole to center of knob

BACKSET hub, 3 inches. 23/4 inches.

HUB Bronze, for knob spindle, 5/16 inches. LATCH BOLT 7/16 inch throw.

AUXILIARY LATCH % inch

7/16 inch throw.

OPERATION

Nos. 953 and 953MK

Latch Bolt, by knob from outside when the interior stop is not set, by key from outside when stop is set, by knob from inside at all times. When locked, outside knob is rigid and the auxiliary bolt automatically dead locks the latch bolt making it proof against end pressure.

Nos. 953H and 953HMK with hold back feature.

Outside knob rigid. By key from outside. By knob from inside at all times. Both bolts held in retracted position when unlocked by key. Inside knob has no function when bolts are in retracted position.

MASTER-KEYING

Nos. 953MK and 953HMK are master-keyed in 8 groups of 80 each, the 640 all different, with groups subject to a master key and all subject to a grand master key.

Can be master-keyed with any lock using same class master key.

REVERSIBLE—Type "O" Construction, Page No. 279

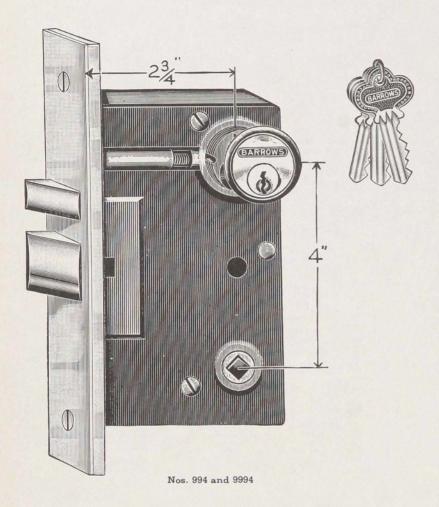
Number	Front	Bolts	Tumblers	Change Key	Changes	Master Key
953	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	80	None
953MK	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	640	55LM
953H	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	80	None
953HMK	Cast Bronze	Cast Bronze	Three, Steel	One, 55L	640	55LM

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

STANDARDIZED MORTISE EMERGENCY LOCKS

FOR CORRIDOR DOORS, IN SCHOOLS, PUBLIC BUILDINGS, ETC. CANNOT BE LOCKED FROM INSIDE



DIMENSIONS

Japanned iron, 6x3 7/8x13/16 in. CASE

Flat, armored, regular, 8x FRONT

1 1/4 inches.

Special, beveled, 1/8 inch on

2 inch.

STRIKE

Cast Bronze, Regular, for wood door, center of opening to end of lip, 1½ in.

Cast Bronze, Special, No. 9 for metal door, center of opening to end of lip, 13/8 inches. Refer to Page No.

280 for description.

SPACING Center of cylinder to center of knob hub, 4 inches.

BACKSET 23/4 inches.

Bronze, for knob spindle, 5/16 HIIB

inches.

LATCH BOLT % inch throw.

AIIXILIARY

1/2 inch throw. LATCH

OPERATION

No. 994—Latch bolt, by knob from outside when the interior stop is not set by key. By key from outside when stop is set. By knob from inside at all times.

When locked with key, the outside knob is rigid and the auxiliary bolt automatically dead locks the latch bolt, making it proof against end pressure.

No. 9994—Same as No. 994 except made to template and packed with No. 9 strike and machine screws for metal door and jamb.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

We manufacture a complete series of heavy duty standardized locks for wood doors and metal doors which fit the same mortise dimensions.

NOT REVERSIBLE—Type "O" Construction, Page No. 279

Number	Front and Bolts	Cylinder	Keys	Changes
994	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited
9994	Cast Bronze, Flat	One, Cast Bronze, No. 5	Three, 615	Unlimited

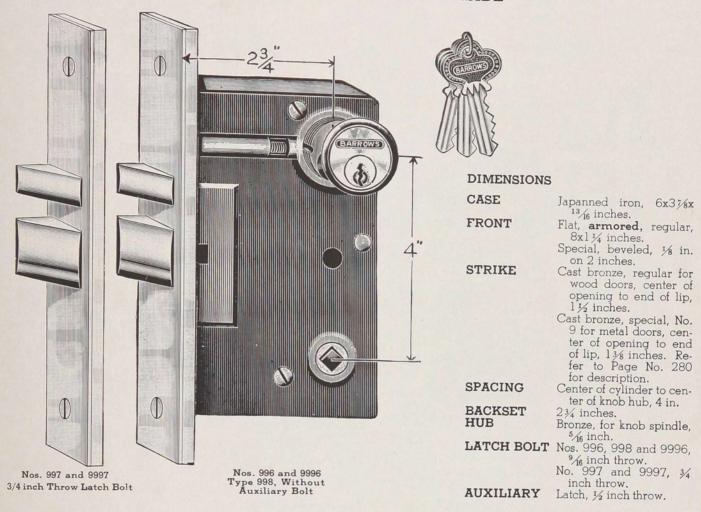
Packed each in a box, complete with screws.

Specify hand described on Page No. 43.

Specify number and finish. Refer to Page No. 36 for description of finishes.

STANDARDIZED MORTISE EMERGENCY LOCKS

FOR CORRIDOR DOORS IN SCHOOLS, PUBLIC BUILDINGS, ETC.
CANNOT BE LOCKED FROM INSIDE



OPERATION

No. 996—Latch Bolt, by knob from outside when interior stop is not set, by key of inside cylinder. By key from outside when stop is set. By knob from inside at all times.

Stops are controlled by cylinder from inside. When door is closed the auxiliary bolt automatically dead locks the Latch Bolt, making it proof against end pressure.

No. 9996—Same operation as No. 996 except made to template and packed with No. 9 strike and machine screws for metal doors and jamb.

No. 997—Same as No. 996 Latch Bolt, has 3/4 inch throw.

No. 9997—Same as No. 9996 Latch Bolt, has 3/4 inch throw. Lock made to template and packed with machine screws for metal door and jamb.

No. 998—Without auxiliary bolt. Latch Bolt, by knob from outside when interior stop is not set by key of inside cylinder. By key from outside when stop is set. By knob from inside at all times.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

We manufacture a complete series of heavy duty standardized locks for wood and metal doors which fit same mortise dimensions.

NOT REVERSIBLE-Type "O" Construction, Page No. 279

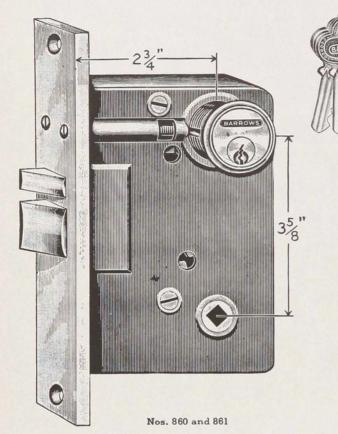
Number Front and Bolts		ber Front and Bolts Cylinders		Changes	
996	Cast Bronze, Flat	Two, Cast Bronze, No. 5	Three, 615	Unlimited	
9996	Cast Bronze, Flat		Three, 615	Unlimited	
997	Cast Bronze, Flat		Three, 615	Unlimited	
9997	Cast Bronze, Flat		Three, 615	Unlimited	
998	Cast Bronze, Flat		Three, 615	Unlimited	

Packed each in a box, complete with screws. Specify hand described on Page No. 43.

Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.

MORTISE EMERGENCY LOCKS

FOR USE ON CORRIDOR DOORS, IN SCHOOLS, PUBLIC BUILDINGS, ETC.,
CANNOT BE LOCKED FROM INSIDE



DIMENSIONS

CASE Japanned iron, 51/2x37/8x3/4 inches.

FRONT Flat, 7 1/2 x l 1/8 inches.

STRIKE Center of opening to end of lip,

1 1/2 inches.

SPACING Center of cylinder to center of knob

hub, 35/8 inches.

BACKSET 23/4 inches.

HUB Bronze, for knob spindle, 5/16 inches.

LATCHBOLT 7/16 inch throw.

AUXILIARY

LATCH ½ inch throw.

OPERATION

No. 860

Latch Bolt, by knob from outside when interior stop is not set, by key from outside when stop is set, by knob from inside at all times.

When locked, outside, knob is rigid and the auxiliary bolt dead locks the latch bolt making it proof against end pressure.

No. 861 same as No. 860 except with hold back back feature.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

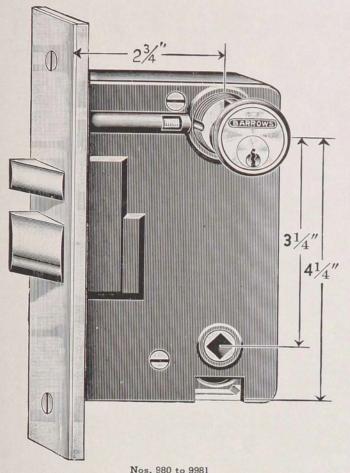
REVERSIBLE-Type "O" Construction, Page No. 279

Number	Front and Bolts	Cylinder	Keys	Changes
860	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited
861	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.

MORTISE EMERGENCY ENTRANCE LOCK



DIMENSIONS

CASE Japanned iron, 5x37/8x7/8 inches. Flat, armored, regular, 73/8x1 1/4 in. FRONT Special, beveled, 1/8 in. on 2 in. STRIKE Cast Bronze, regular, for wood doors,

INSIDE.

center of opening to end of lip, $1\frac{1}{2}$ inches.

FOR USE ON ENTRANCE DOORS, IN SCHOOLS, PUB-LIC BUILDINGS, ETC., WITH ENTRANCE HANDLE OUT-SIDE AND KNOB INSIDE.

CANNOT BE LOCKED FROM

Cast Bronze, special, No. 9 for metal doors. Refer to Page No. 280 for description.

Outside, center of cylinder to bottom of lift, 41/4 inches. SPACING

Inside, center of cylinder to center of knob hub, 31/4 inches.

BACKSET 23/4 inches.

HUB Bronze, for knob spindle, 5/16 inches. LIFT Bronze.

LATCH BOLT % inch throw. AUXILIARY

BOLT 1/2 inch throw.

OPERATION

No. 980—Latch Bolt, by thumb piece from outside when interior stop is not set, by key from inside. By key from outside when stop is set, by knob from inside at all times. Stops controlled by inside cylinder. When door is closed the auxiliary bolt automatically dead locks the latch bolt, making it proof against end pressure.

No. 9980—Same operation as No. 980, except made to template and packed with No. 9 strike and machine screws for metal door and jamb.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

OPERATION

No. 981—With hold back feature. Latch Bolt, by thumb piece from outside when interior stop is not set, by key from inside. By key from outside when stop is set. By knob from inside at all times. Stops controlled by cylinder from inside, and by turning key as far as possible in the inside cylinder and then turning the knob or operating the thumb piece, will hold the two bolts in a retracted position, allowing the door to be opened by pushing or pulling. allowing the door to be opened by pushing or pulling.

To throw bolts in operative position use key from inside cylinder. When door is closed the auxiliary bolt automatically dead locks the latch bolt, making it proof against end pressure.

No. 9981—Same operation as No. 981, except made to template and packed with No. 9 strike and machine screws for metal door and jamb.

NOT REVERSIBLE—Type "M" Construction, Page No. 279

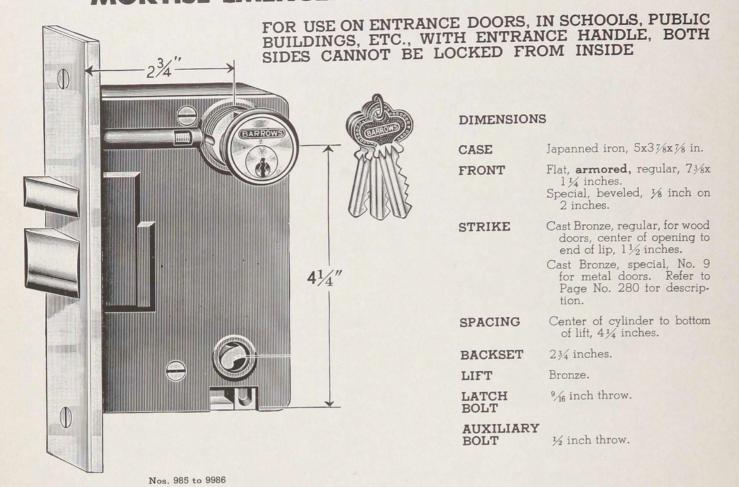
Number Front and Bolts		Front and Bolts Cylinders		Changes	
980	Cast Bronze	Two, Cast Bronze, No. 5	Three, 615	Unlimited	
9980	Cast Bronze	Two, Cast Bronze, No. 5	Three, 615	Unlimited	
981	Cast Bronze	Two, Cast Bronze, No. 5	Three, 615	Unlimited	
9981	Cast Bronze	Two, Cast Bronze, No. 5	Three, 615	Unlimited	

Packed each in a box, complete with screws.

Specify number and finish. Refer to Page No. 36 for description of finishes.

Specify thickness of door. Specify hand described on Page No. 43.

MORTISE EMERGENCY ENTRANCE LOCK



OPERATION

No. 985—Latch Bolt, by thumb piece from outside when interior stop is not set by key from inside. By key from outside when stop is set. By thumb piece from inside at all times. Stops controlled by cylinder from inside. When door is closed, auxiliary bolt automatically dead locks the latch bolt, making it proof against end pressure.

No. 9985—Same as No. 985, except made to template and packed with No. 9 strike and machine screws for metal door and jamb.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

OPERATION

No. 986—With hold-back feature. Latch Bolt, by thumb piece from outside when interior stop is not set by key from inside. By key from outside when stop is set. By thumb piece from inside at all times. Stops controlled by cylinder from inside, and by turning key as far as possible in the inside cylinder and then operating thumb piece, will hold the two bolts in a retracted position, allowing the door to be opened by pushing or pulling.

To throw bolts in operative position use key from inside cylinder. When door is closed the auxiliary bolt automatically dead locks the latch bolt, making it proof against end pressure.

No. 9986—Same operation as No. 986 except made to template and packed with No. 9 strike and machine screws for metal door and jamb.

NOT REVERSIBLE-Type "M" Construction, Page No. 279

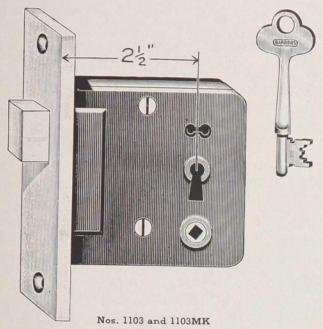
Number	Front and Bolts	Cylinders	Keys	Changes
985	Cast Bronze	Two, Cast Bronze, No. 5	Three, 615	Unlimited
9985	Cast Bronze	Two, Cast Bronze, No. 5	Three, 615	Unlimited
986	Cast Bronze	Two, Cast Bronze, No. 5	Three, 615	Unlimited
9986	Cast Bronze	Two, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each in a box, complete with screws.

Specify Number and finish. Refer to Page No. 36 for description of finishes.

Specify Thickness of door. Specify hand described on Page No. 43.

FOR SCHOOL HOUSE CLASS ROOM DOORS



DIMENSIONS

CASE Japanned iron, 33/8x33/8x5/8 inches.

FRONT Flat, 53/8x11/16 inches.

STRIKE Bronze. BACKSET 2½ inches.

HUB Bronze, for turn knob spindle, 3/16 in.

DEAD BOLT 7/16 inch throw.

KEY PLATES One, wrought bronze, No. 01521.

TURN KNOB Bronze, No. 01521 x 22.

OPERATION

Dead Bolt, by key from outside only. Turn Knob, will not throw bolt to locked position, but will retract bolt when locked from outside by key.

MASTER-KEYING

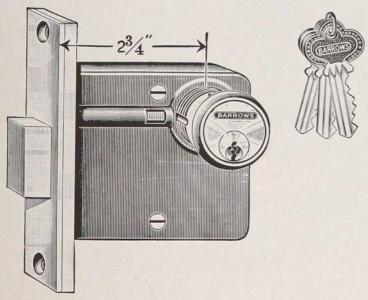
No. 1103MK can be master-keyed in 8 groups of 80 each. The 640 all different with each group subject to a master key and all subject to a grand master key.

REVERSIBLE

Number	Front and Bolt	T 11	1		
Number	- Front and bolt	Tumblers	Change Key	Changes	Master Kev
1103 1103 MK	Cast Bronze Cast Bronze	Three, Steel Three, Steel	One, 55L One, 55L	80 640	None 55LM

Packed each in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

FOR SCHOOL HOUSE CLASS ROOM DOORS



DIMENSIONS

CASE Japanned iron, 37/8x33/4x7/8 inches. FRONT Flat, armored, 57/8x1 1/4 inches.

STRIKE Bronze.

Regular, 23/4 inches. BACKSET DEAD BOLT 9/16 inch throw. TURN KNOB Bronze, No. 01521 x 23. Disc, No. 2910 for turn knob.

OPERATION

Nos. 1294-1295

Dead Bolt, by key from outside only. Turn knob will not throw dead bolt into locked position, but will retract Dead Bolt when it is locked from outside.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

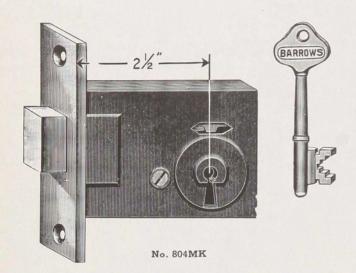
Nos. 1294 and 1295

NOT REVERSIBLE

Number	Front and Bolt	Cylinder	Turn Knob	Keys	Changes
1294	Cast Bronze	One, Cast Bronze, No. 5	One	Three, 615	Unlimited
1295	Cast Bronze	Two, Cast Bronze, No. 5	One	Three, 615	Unlimited

Packed each in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify thickness of door. Specify hand described on Page No. 43.

FOR USE WITH HOTEL LOCKS



DIMENSIONS

CASE

Japanned iron, 23/8x33/8x13/16 inches.

FRONT

Flat, 41/8x11/8 inches.

STRIKE

Bronze.

BACKSET

2½ inches.

DEAD BOLT

1/2 inch throw.

KEY PLATES Two, cast bronze, No. 1513.

OPERATION

Dead Bolt, by key from either side.

MASTER-KEYING

Master-keyed in 12 groups of 120 each, the 1440 all different, with each group subject to a master key and all subject to a grand master key.

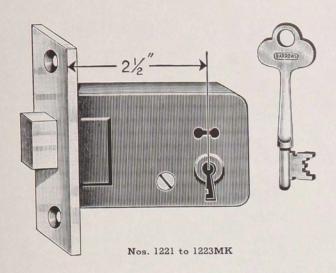
Can be master-keyed with any lock using same key class.

REVERSIBLE

Number	Front and Bolt	Tumblers	Change Key	Changes	Master Key
804MK	Cast Bronze	Four, Steel	One, 58R	1440	58RM

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

CASE Japanned iron, 21/8x31/4x5/8 inches.

Add 3/4 inch to special backsets for width

FRONT Flat, 37/8x1 inches.

STRIKE Bronze.

Regular, 2½ inches. Special, 2-2¾ inches. Size ¾x¼ inches. BACKSET

DEAD BOLT DEAD BOLT 1/2 inch throw.

KEY PLATES Two, wrought bronze, No. 01521.

OPERATION

Dead Bolt, by key from either side.

MASTER-KEYING

No. 1223MK can be master-keyed in 8 groups of 80 each, the 640 all different, with each group subject to a master key and all subject to a grand master key.

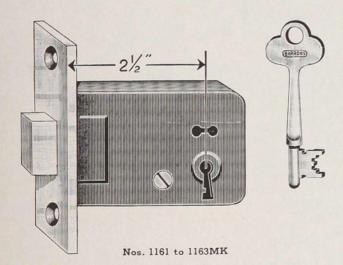
This lock can be master-keyed with any lock using same key class.

REVERSIBLE

Number	Front and Bolt	Tumblers	Change Key	Changes	Master Key
1221	Cast Bronze	One, Steel	One, 53D	12	None
1223	Cast Bronze	Three, Steel	One, 55L	36	None
1223MK	Cast Bronze	Three, Steel	One, 55L	640	55LM

Packed 1/2 dozen in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

CASE

Japanned iron, 21/8x31/4x5/8 inches. Add 3/4 inch to special backsets for width

of case.

FRONT Flat, 37/8xl 1/16 inches.

STRIKE Bronze.

Regular, 2½ inches.
Special, 2-2¾ inches.
Size ½xl inches.
½ inch throw. BACKSET

DEAD BOLT DEAD BOLT

Two, wrought bronze, No. 01521. KEY PLATES

OPERATION

Dead Bolt, by key from either side.

MASTER-KEYING

No. 1163MK can be master-keyed in 8 groups of 80 each, the 640 all different, with each group subject to a master key and all subject to a grand master key.

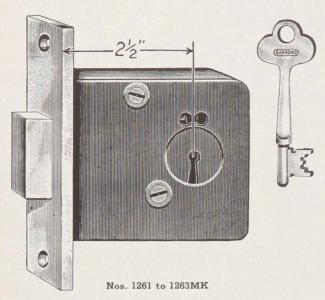
This lock can be master-keyed with any lock using same key class.

REVERSIBLE

Number	Front and Bolt	Tumblers	Change Key	Changes	Master Key
1161	Cast Bronze Cast Bronze	One, Steel	One, 53D	12	None
1163		Three, Steel	One, 55L	36	None
1163MK		Three, Steel	One, 55L	640	55LM

Packed ½ dozen in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

CASE Japanned iron, 3x31/2x3/4 inches.

FRONT Flat, 5xl 1/8 inches.

Bronze. STRIKE BACKSET 2½ inches. DEAD BOLT 1/2 inch throw.

KEY PLATES Two, wrought bronze No. 01521.

OPERATION

Dead Bolt, by key from either side.

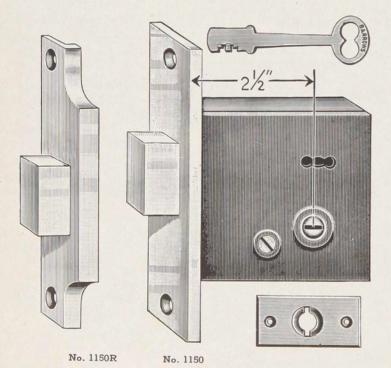
MASTER-KEYING

No. 1263MK can be master-keyed in 8 groups of 80 each, the 640 all different, with each group subject to a master key and all subject to a grand master key. This lock can be master-keyed with any lock using same key class.

REVERSIBLE

Number	Front and Bolt	Tumblers	Change Key	Changes	Master Key
1261	Cast Bronze	One, Steel	One, 53D	12	None
1263	Cast Bronze	Three, Steel	One, 55L	36	None
1263 MK	Cast Bronze	Three, Steel	One, 55L	640	55LM

Packed 1/2 dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

CASE Japanned iron, 3x33/8x3/4 inches.

FRONT

Flat, $5x1\frac{1}{6}$ inches. Rabbeted, $5\frac{1}{2}x1\frac{3}{6}$ inches, depth of rabbet, $\frac{1}{2}$ inch.

STRIKE Bronze.

BACKSET

Flat, 2½ inches. Rabbeted, 2½x2 inches.

KEY PLATES Two, bronze, No. 1482.

DEAD BOLT

OPERATION

Dead Bolt, by key from either side.

MASTER-KEYING

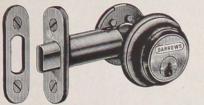
Not master-keyed.

REVERSIBLE

Number	Front and Bolt	Tumblers	Change Key	Changes
1150 *1150 R	Cast Bronze Cast Bronze	Four, Steel Four, Steel	Two, 57Y Two, 57Y	75 75

Packed each in a box, complete with screws.
*Not reversible. Specify hand described on Page No. 43.
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

MORTISE TUBULAR DEAD LOCK







ration 1/3 size) No. 875 (Illustr

Turn knob

and plate

DIMENSIONS

CASE Die cast, cadmium plated, 1/8x31/8 inches. FRONT

23/axl inches.

STRIKE Wrought bronze or brass, 23/x1 inches.

BACKSET 23/8 inches.

DEAD BOLT

 $\frac{3}{4}x\frac{9}{16}$ with $\frac{9}{16}$ inch throw. Two hardened steel pins in bolt head.

One, plate wrought bronze or brass, 13/4 inches in diameter. Turn knob die cast with bronze or

brass scalp covering knob top.

CYLINDER RINGS Three packed with each lock, suitable for doors

15/6 to 21/4 inches thick.

OPERATION

TURN KNOB

From outside by key and from inside by turn knob.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE

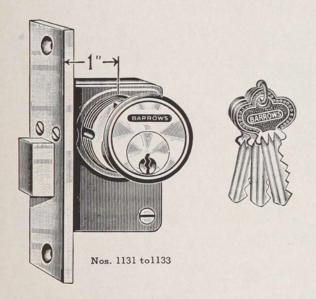
For doors of either hand opening in or out by transposing cylinder and turn knob plate.

Number	Front	Bolt	Cylinder	Keys	Changes
875	Forged Brass	Extruded Brass	One No. 10S	Three, 615	Unlimited

Packed each in a box, complete with screws and template.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

MORTISE DEAD LOCKS



DIMENSIONS

Japanned iron, 23/4x17/8x3/4 inches. CASE

Add 34 inches to special backset for width of case.

FRONT Flat, 47/8xl inches.

STRIKE Bronze.

Regular, 1 inch. Special, 1½ inches. BACKSET

1/2 inch throw. DEAD BOLT

TURN KNOB No. 01521x23

Disc No. 2910—For turn knob.

OPERATION

No. 1131—By key from one side only.

No. 1133—By key from outside, by turn knob inside.

No. 1132—By key from either side.

MASTER-KEYING

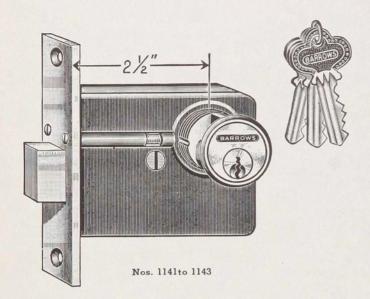
Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE

		G 1: 1	Turn Knob	Keys	Changes
Number	Front and Bolt	Cylinders	Turn knob		** 1 1
1131 1133 1132	Cast Bronze Cast Bronze Cast Bronze	One, Cast Bronze, No. 5 One, Cast Bronze, No. 5 Two, Cast Bronze, No. 5	None One None	Three, 615 Three, 615 Three, 615	Unlimited Unlimited Unlimited

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.



DIMENSIONS

CASE Japanned iron, 25/8x31/2x3/4 inches.

Add I inch to special backsets for width of

case.

Flat, 45/8xl inches. FRONT

STRIKE Bronze.

BACKSET

Regular, 2½ inches. Special, 2½, 2¾, 3 and 3¾ inches.

1/2 inch throw. DEAD BOLT

TURN KNOB

Bronze, No. 01521x23. Disc No. 2910 for turn knob.

OPERATION

No. 1141—By key from one side only.

No. 1143—By key from outside, by turn knob from inside.

No. 1142-By key from either side.

MASTER-KEYING

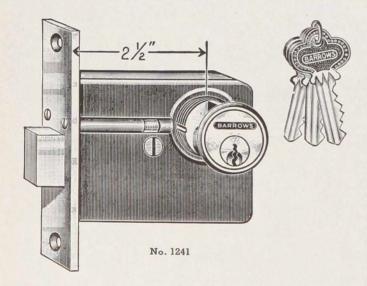
Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE

Number	Front and Bolt	Cylinders	Turn Knob	Keys	Changes
1141	Cast Bronze	One, Cast Bronze, No. 5	None	Three, 615	Unlimited
1143	Cast Bronze	One, Cast Bronze, No. 5	One	Three, 615	Unlimited
1142	Cast Bronze	Two, Cast Bronze, No. 5	None	Three, 615	Unlimited

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.



FOR THIN DOORS

DIMENSIONS

CASE Japanned iron, 23/4x35/8x5/8 inches.

FRONT Flat, 41/2x7/8 inches.

STRIKE Bronze. BACKSET 2½ inches.
DEAD BOLT ½ inch throw.

OPERATION

Dead Bolt, by key from one side only.

MASTER-KEYING

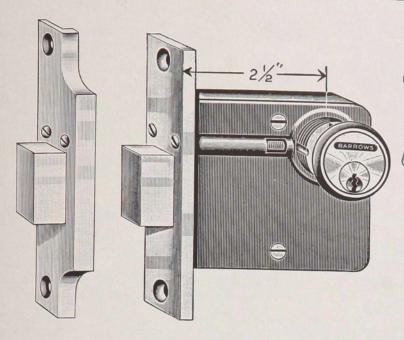
Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE

Number	Front and Bolt	Cylinder	Turn Knob	Keys	Changes
1241	Cast Bronze	One, Cast Bronze, No. 5	None	Three, 615	Unlimited

Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.



Nos. 1281R, 1282R and 1283R

Nos. 1281, 1282 and 1283

DIMENSIONS

CASE

Japanned iron, 31/8x 3½x78 inches.
Add 1 inch to special

backsets for width of case

FRONT Flat, 51/8xl 1/4 inches. STRIKE Bronze. BACKSET

Flat, regular, $2\frac{1}{2}$ in. Flat, special, 2, $2\frac{3}{4}$, 3, 31/2 and 4 in. Rabbeted, regular, 2x

21/2. Rabbeted, special, 2x 1½, 2½x1¾, 2¾x 2½, 3x2½, 3½x2¾, 3x2½, 3¼x2¾, 3½x3, 4x3½ in.

DEAD BOLT 1/2 inch throw. TURN KNOB Bronze, No. 01521x23. 2910 for turn knob. Disc, No.

OPERATION

Nos. 1281 and 1281R by key from one side only.
Nos. 1283 and 1283R, by key from outside and turn knob from inside.

Nos. 1282 and 1282R, by key from either side.

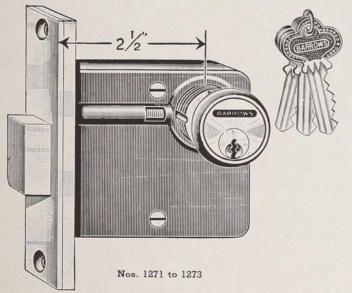
MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE

Number	Front and Bolt	Cylinders	Turn Knob	Keys	Changes
1281 1283 1282 *1281R 1283R *1282R	Cast Bronze	One, Cast Bronze, No. 5 One, Cast Bronze, No. 5 Two, Cast Bronze, No. 5 One, Cast Bronze, No. 5 One, Cast Bronze, No. 5 Two, Cast Bronze, No. 5	None One None None One None	Three, 615 Three, 615 Three, 615 Three, 615 Three, 615 Three, 615	Unlimited Unlimited Unlimited Unlimited Unlimited Unlimited

Packed each in a box, complete with screws. Specify hand described on Page No. 43.
*Not Reversible. Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.



DIMENSIONS

CASE

Japanned iron, 31/8x 31/2x 1/8 inches. Add 1 inch to special backsets for width of case.

FRONT STRIKE

Flat, armored, 51/8xl 1/4 inches. Bronze.

Regular, 2½ inches. Special, 2, 2¾, 3, 3½ and 4 in. DEAD BOLT 9/16 inch throw.

TURN KNOB Bronze, No. 01521x23.
Disc, No. 2910 for turn knob.

OPERATION

BACKSET

No. 1271, by key from one side only. No. 1273, by key from outside, by turn knob inside. No. 1272, by key from either side.

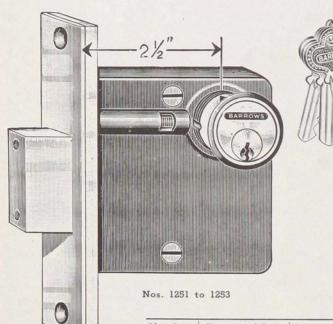
MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE

Number	Front and Bolt	Cylinders	Turn Knob	Keys	Changes
1271	Cast Bronze	One, Cast Bronze, No. 5	None	Three, 615	Unlimited
1273	Cast Bronze	One, Cast Bronze, No. 5	One	Three, 615	Unlimited
1272	Cast Bronze	Two, Cast Bronze, No. 5	None	Three, 615	Unlimited

Packed each in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.



DIMENSIONS

Japanned iron, 37/8x35/8x7/8 inches. CASE

Add 1 1/8 inches to special backset

for width of case.

Flat, armored, 5 %xl 1/4 inches. FRONT

STRIKE Bronze.

BACKSET

Regular, 2½ inches. Special, 2,2¼, 2¾ and 3 inches. 1 inch throw, 1¾x5% inches. DEAD BOLT

Extra heavy, with two case hardened pins in center to prevent cutting of

bolt when in locked position.

TURN KNOB Bronze, No. 01521x23.

Disc No. 2910 for turn knob.

OPERATION

No. 1251—By key from one side only. No. 1253—By key from outside and turn knob inside.

No. 1252—By key from either side.

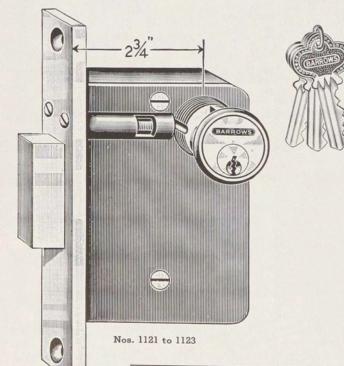
MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE

Number	Front and Bolt	Cylinders	Turn Knob	Keys	Changes
1251	Cast Bronze	One, Cast Bronze, No. 6	None	Three, 615	Unlimited
1253	Cast Bronze	One, Cast Bronze, No. 6	One	Three, 615	Unlimited
1252	Cast Bronze	Two, Cast Bronze, No. 6	None	Three, 615	Unlimited

Packed each in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes. Specify thickness of door.



DIMENSIONS

CASE Japanned iron, 4½x3¾x78 inches.

Add I inch to special backsets for

width of case.

FRONT Flat, 67/8xl 1/4 inches.

STRIKE Bronze.

BACKSET

Regular, $2\frac{3}{4}$ inches. Special, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$, 2 and $2\frac{1}{2}$ in.

5/8 inch throw, 2x5/8 inches. DEAD BOLT

TURN KNOB Bronze, No. 01521x23.

Disc No. 2910 for turn knob.

OPERATION

No. 1121—By key from one side only.

No. 1123-By key from outside and by turn knob from inside.

No. 1122—By key from either side.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

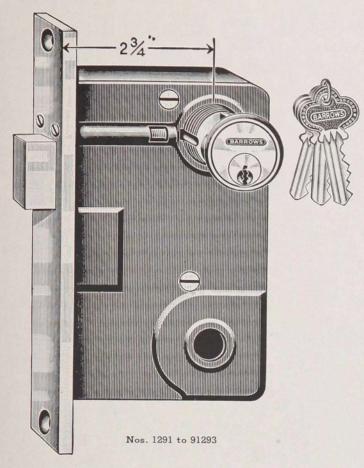
REVERSIBLE

Number	Front and Bolt	Cylinders	Turn Knob	Keys	Changes
1121	Cast Bronze	One, Cast Bronze, No. 5	None	Three, 615	Unlimited
1123	Cast Bronze	One, Cast Bronze, No. 5	One	Three, 615	Unlimited
1122	Cast Bronze	Two, Cast Bronze, No. 5	None	Three, 615	Unlimited

Packed each in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify thickness of door.

STANDARDIZED MORTISE DEAD LOCKS



DIMENSIONS

CASE Japanned iron, 6x3 7/8x13/16 inches.

FRONT Flat, regular, 8x1 1/4 inches.

Special, beveled 1/8 inch on 2 inches.

STRIKE Cast bronze, regular, for wood doors.

Cast bronze, special, No. 9 for metal door. Refer to Page No. 56A for description.

BACKSET 23/4 inches.

DEAD BOLT % inch throw.

TURN KNOB Bronze, No. 01521x23.
Disc No. 2910 for turn knob.

OPERATION

No. 1291-By key from one side only.

No. 91291—By key from one side only. Made to template and packed with No. 9 strike and machine screws for metal door and jamb.

No. 1293—By key from outside and turn knob from inside.

No. 91293—By key from outside and turn knob inside.

Made to template and packed with No. 9 strike and machine screws for metal door and jamb.

No. 1292—By key from either side.

No. 91292—By key from either side. Made to template and packed with No. 9 strike and machine screws for metal door and jamb.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

We manufacture a complete series of heavy duty standardized locks which will fit the same mortise dimensions.

REVERSIBLE

Number	Front and Bolt	Cylinders	Turn Knob	Keys	Changes
1291 91291 1293 91293 1292 91292	Cast Bronze, Flat Cast Bronze, Flat Cast Bronze, Flat Cast Bronze, Flat Cast Bronze, Flat Cast Bronze, Flat	One, Cast Bronze, No. 5 Two, Cast Bronze, No. 5 Two, Cast Bronze, No. 5	None None One One None None	Three, 615 Three, 615 Three, 615 Three, 615 Three, 615 Three, 615	Unlimited Unlimited Unlimited Unlimited Unlimited Unlimited Unlimited

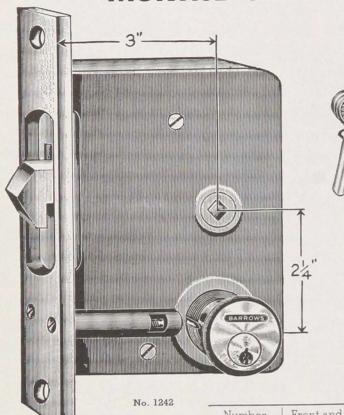
Packed each in a box, complete with screws.

Beveled front locks not reversible, specify hand described on Page No. 43.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify thickness of door.

MORTISE SLIDING DOOR LOCKS



DIMENSIONS

CASE Japanned iron, 53/4x41/4x7/8 inches.

Flat, 77/8x13/8 inches. FRONT

STRIKE Cast bronze.

BACKSET 3 inches.

SPACING Center of handle hub to center of cylinder, 2½ inches.

HUB Bronze, for handle spindle, 5/16 inches.

OPERATION

Lift Bolt, by key from outside and by flush cup handle from inside.

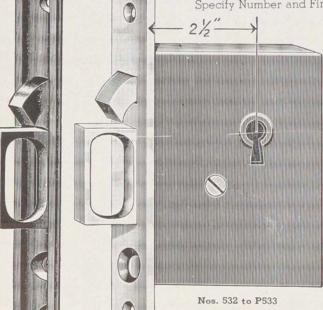
MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE

Number	Front and Bolt	and Bolt Cylinder		Cylinder Keys		Changes
1242	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited		

Packed each in a box, complete with screws. Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.





DIMENSIONS

CASE Japanned iron, 41/4x33/4x5/8

inches.

FRONT

Flat, 63/8xl¹/₁₆ inches. Double astragal, 63/8xl¹/₁₆ in.

Regular, 2½ inches. Special, 2¾ inches. BACKSET

PULL Cast bronze.

OPERATION

Hook-Bolt, by key from either side.

Pull, pressure on push button throws pull out and when door is closed is retracted into lock case.

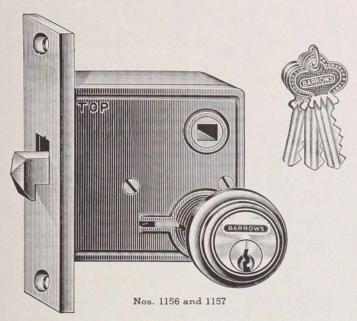
REVERSIBLE

	THE THE STATE OF T								
Number	Front	Bolt and Pull	Key	Change	For Doors				
532 533 534 0532 0533 P532 P533	Cast Bronze Cast Bronze Cast Bronze Wrought Bronze Wrought Bronze Wrought Steel Wrought Steel	Cast Bronze Cast Bronze	Bronze, 59I Bronze, 59I Bronze, 59I Bronze, 59I Bronze, 59I Bronze, 59I Bronze, 59I	4 4 4 4 4 4 4	Single, Flat Double, Flat Double, Astragal Single, Flat Double, Flat Single, Flat Double, Flat				

Packed each in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

No. 534

MORTISE SLIDING DOOR LOCK



DIMENSIONS

CASE Japanned iron, 31/4x31/2x3/4 inches.

FRONT Flat, 51/4xl inches. STRIKE

Cast Bronze. BACKSET 23/4 inches.

Bronze, for knob spindle, 5/16 inches HIIB

on the square.

LATCH Projection 3/4 inches. TURN KNOB No. 41B spindle.

OPERATION

No. 1156—By key from outside at all times. By knob from inside.

No. 1157—By key from both sides, knob being omitted.

MASTER-KEYING

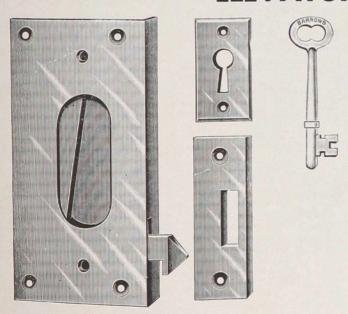
Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE

Number	Front and Bolt	Cylinders	Keys	Turn Knob	Changes
1156	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	One, Cast Bronze	Unlimited
1157	Cast Bronze	Two, Cast Bronze, No. 5	Three, 615	None	Unlimited

Packed each in a box, complete with screws. Specify thickness of door. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

ELEVATOR LATCH



No. 1220 Cut Shows Left Hand Lock

DIMENSIONS

CASE Cast Bronze, 5 1/8x25/8x5/8 inches.

FRONT Flat, 51/8x 1/8 inches.

Cast Bronze, 2 1/8x13/16x3/32, inches. STRIKE

Front, to center of key hole, 1 5% inches. Front, to center of cup, 1 3% inches. BACKSET

KEY PLATE Wrought Bronze, No. 1480.

DEPTH OF Half mortise, 1/2 inch.

LIFT LATCH Projection, 5/8 inches.

OPERATION

Latch, by key from outside at all times. By flush finger lever from inside at all times.

MASTER-KEYING

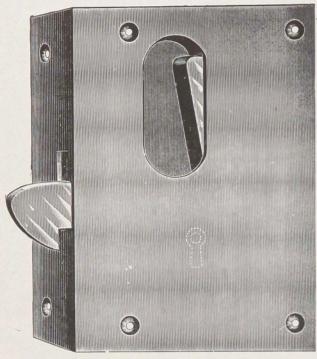
Cannot be master-keyed.

REVERSIBLE

Number	Lock and Strike	Key Plate	Tumblers	Key	Changes
1220	Cast Bronze	One, Wrought Bronze	None	One, Class Key	One
1440	Cast Dronze	Offe, Wrought Diones			

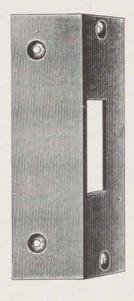
Specify Number and Finish. Refer to Page No. 36 for description of finishes. Packed each in a box, complete with screws.

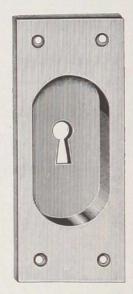
BARN DOOR LOCK



Nos. 1243 and P1243

Cut Shows Right Hand







DIMENSIONS

CASE FRONT STRIKE Cast, 6½x4¾x¾ inches. 6¾x1¼ inches. Cast, 4½x1½x1¾ inches.

BACKSET

 $2^{3}/_{6}$ inches. Cast, $5x1\frac{7}{8}x^{7}/_{16}$ inches.

CUP ESCUTCHEON
DEPTH OF HALF
MORTISE OF LOCK

DEPTH OF MORTISE OF ESCUTCHEON

LIFT LATCH PROJECTION 3/4 inches.

7/16 inches.

13/16 inches.

OPERATION

Latch, by key from outside at all times. By flush finger lever from inside at all times.

MASTER-KEYING

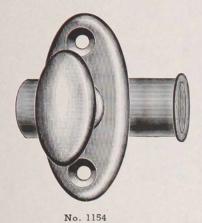
Cannot be master-keyed.

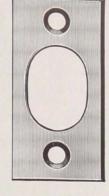
NOT REVERSIBLE

Number	Lock and Strike	Escutcheon	Tumblers	Key	Changes	Finish
1243	Cast Bronze	Cast Bronze	Three, Steel	One, Bronze	30	Polished
P1243	Cast Iron	Wrought Steel	Three, Steel	One, Bronze	30	Japanned

Packed each in a box, complete with screws. Specify hand described on Page No. 43.

MORTISE DOOR BOLTS





DIMENSIONS

CASE

Wrought brass, % diameter x 1 1/2 inches.

STRIKE

Wrought steel, 13/4x1/8 inches.

BACKSET

l inch.

BOLT

Wrought steel, 1/2 inch throw.

TURN KNOB

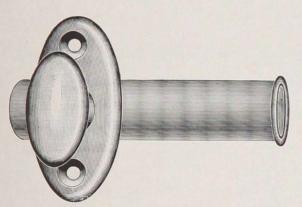
PLATE

Wrought bronze, 13/4x3/4 inches.

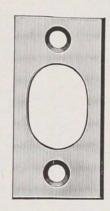
TURN KNOB Cast bronze, 1 1/8x 1/2 inches.

Number	Bolt	Case	Turn Knob Plate	Turn Knob
1154	Wrought Steel	Wrought Bronze	Wrought Bronze	Cast Bronze

Packed 1 dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.







DIMENSIONS

CASE

Wrought brass, % diameter

x 21/2 inches.

STRIKE

Wrought steel, 13/4x7/8 in.

BACKSET

13/4 inches.

BOLT

Wrought steel, 1/2 inch throw.

TURN KNOB

PLATE

Wrought bronze, 13/4x3/4 in.

TURN KNOB Cast bronze, 1 1/8x 1/2 inches.

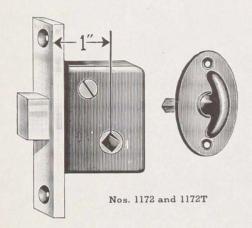
Number	Bolt	Case	Turn Knob Plate	Turn Knob
1155	Wrought Steel	Wrought Bronze	Wrought Bronze	Cast Bronze

Packed 1 dozen in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Illustrations Full Size 373

MORTISE DOOR BOLTS



DIMENSIONS

CASE Japanned iron, 2x1 3/4x9/16 inches.

FRONT Flat, 35/8x 7/8 inches.

STRIKE Bronze. BACKSET 1 inch.

HUB Bronze, for turn knob spindle, 3/16 inch.

BOLT 1/2 inch throw.

OPERATION

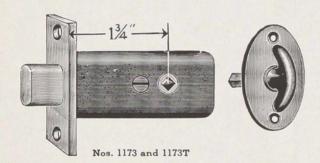
By turn knob from one side.

REVERSIBLE

Number	Front and Bolt	Description	Turn Knob
1172	Cast Bronze	Bolt Only	None
1172 T	Cast Bronze	With One Turn Knob	01521x22

Packed 1/2 dozen in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

CASE Japanned iron, 1 1/4 x 25/8 x 1/2 inches.

FRONT Flat, 2½x¾ inches.

STRIKE Bronze.

BACKSET 134 inches.

HUB Bronze, for turn knob spindle, 3/16 inch.

BOLT ½ inch throw.

OPERATION

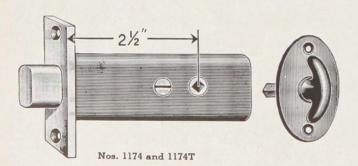
By turn knob one side.

REVERSIBLE

Number	Front and Bolt	Description	Turn Knob
1173	Cast Bronze	Bolt Only	None
1173 T	Cast Bronze	With One Turn Knob	01521x22

Packed 1/2 dozen in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

CASE Japanned iron, 1 1/4 x 3 1/2 x 1/2 inches.

FRONT Flat, 2½x¾ inches.

STRIKE Bronze.

BACKSET 21/2 inches.

HUB Bronze, for turn knob spindle, 3/16 inch.

BOLT 5/8 inch throw.

OPERATION

By turn knob one side.

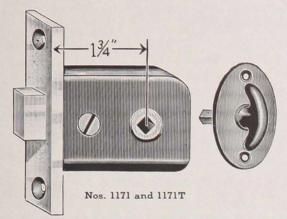
REVERSIBLE

Number	Front and Bolt	Description	Turn Knob
1174	Cast Bronze	Bolt Only	None
1174 T	Cast Bronze	With One Turn Knob	01521x22

Packed 1/2 dozen in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

MORTISE DOOR BOLTS



DIMENSIONS

CASE Japanned iron, 1 1/2 x 2 1/2 x 1/2 inches.

FRONT Flat, 3½x¾ inches.

Wrought. STRIKE BACKSET 13/4 inches.

HUB Bronze, for turn knob spindle, 3/16 inches.

BOLT 7/16 inch throw.

OPERATION

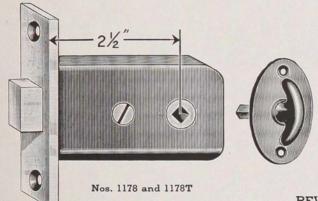
By turn knob one side.

REVERSIBLE

Number	Front and Bolt	Description	Turn Knob
1171	Cast Bronze	Bolt Only	None
1171 T	Cast Bronze	With One Turn Knob	01521x22

Packed ½ dozen in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

CASE Japanned iron, 1 1/2 x 3 1/4 x 1/2 inches.

FRONT Flat, 3½x¾ inches.

STRIKE Wrought. BACKSET 21/2 inches.

HUB Bronze, for turn knob spindle, 3/16 inches.

BOLT 7/16 inch throw.

OPERATION

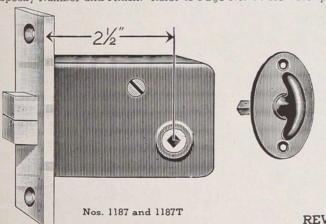
By turn knob one side.

REVERSIBLE

Number	Front and Bolt	Description	Turn Knob
1178	Cast Bronze	Bolt Only	None
1178 T	Cast Bronze	With One Turn Knob	01521x22

Packed 1/2 dozen in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



DIMENSIONS

CASE Japanned iron, 2x3 1/4 x 5/8 inches.

FRONT Flat, 378x78 inches.

Wrought. STRIKE BACKSET 21/2 inches.

Bronze, for turn knob spindle, 3/16 inch. HUB

BOLT 1/2 inch throw.

OPERATION

Split Bolt, by separate turn knobs from both sides, each locking against the opposite side.

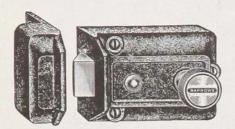
REVERSIBLE

Number	Front and Bolt	Description	Turn Knob
1187 1187T	Cast Bronze	Bolt Only With Two Turn Knobs	None 01521x22

Packed ½ dozen in a box, complete with screws.

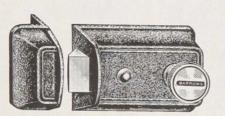
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CYLINDER RIM SPRING LATCHES AND DEAD LATCHES



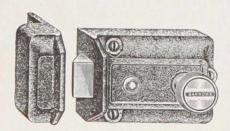


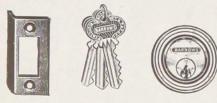
Nos. 905 Springlatch and 906 Deadlatch





Nos. 901 Springlatch and 902 Deadlatch





Nos. 903 Springlatch and 904 Deadlatch

DIMENSIONS

Iron, wrinkled black finish, 21/2x35/8x11/8 inches. CASE

Brass finish, five pin-tumblers. CYLINDER KEYS Three, No. 615, 7000 key changes.

BACKSET 23/8 inches. For doors 1 to 21/2 inches thick, either right or left hand.

Rim strike used for doors opening in. Flat strike used for doors opening out. (reverse bevel) by reversing the bolt.

OPERATION

No. 905 from outside by key, from inside by knob. Bolt may be held back

No. 906 same as above, but bolt may be deadlocked by stop, so that key will not unlock it.

These latches can be master-keyed in one group in any number up to 150. They cannot be master keyed in sets with any other locks.

Number	Bolt	Cylinder and Knob	
905	Iron, Brass Plated	Brass Finished	
906	Iron, Brass Plated	Brass Finished	

Packed each in a box, complete with screws, rim and flat strikes. Weight each, 13/8 lbs.

DIMENSIONS

Iron, wrinkled brass finish, 23/8x31/2x11/4 inches. CASE

CYLINDER No. 10, five pin-tumblers.

KEYS Three, No. 615, changes, practically unlimited.

BACKSET 23/8 inches.

For doors 1 to 21/2 inches thick, either right or left hand.

Rim strike used for doors opening in. Flat strike used for doors opening out, (reverse bevel) by reversing the bolt.

OPERATION

No. 901 from outside by key, from inside by knob. Bolt may be held back by stop

No. 902 same as above, but bolt may be deadlocked by stop so that key will not unlock it.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

Number	Bolt	Cylinder and Knob
901 902	Brass Brass	Brass, Buffed

Packed each in a box, complete with screws, rim, flat strikes and template. Weight each, 1½ lbs.

DIMENSIONS

CASE Iron, wrinkled brass finish, 2½x35/8x1 1/8 inches.

CYLINDER No. 10, five pin-tumblers.

KEYS Three, No. 615, changes, practically unlimited.

BACKSET 23/8 inches.

For doors 1 to 2½ inches thick, either right or left hand. Rim strike used for doors opening in. Flat strike used for doors opening out, (reverse bevel) by reversing the bolt.

OPERATION

No. 903 from outside by key, from inside by knob. Bolt may be held back by stop.

No. 904, same as above, but bolt may be deadlocked by stop so that key will not unlock it.

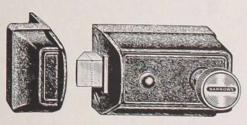
MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

Number	Bolt	Cylinder and Knob
903	Brass	Brass, Buffed
904	Brass	Brass, Buffed

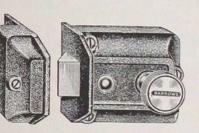
Packed each in a box, complete with screws, rim and flat strikes. Weight each, 11/2 lbs.

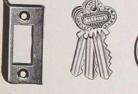
CYLINDER RIM SPRING LATCHES AND DEAD LATCHES



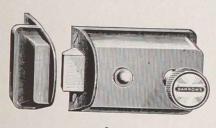


Nos. 908 and 908RB—Deadlatches with Automatic Deadlocking Bolt





No. 909-Springlatch





No. 910-Springlatch

DIMENSIONS

CASE
CYLINDER
No. 10, five pin-tumblers.

Iron, wrinkled brass finish, 23/8x31/x11/2 inches.

Three, No. 615, changes, practically unlimited. BACKSET 23/8 inches.

For doors 1 to 2½ inches thick, either right or left hand, opening in.

Not Reversible—For doors opening out, use 908RB.

OPERATION

From outside by key, from inside by knob. Bolt may be held back by stop. The latch bolt has a 1/2 inch projection, but when door is closed it is automatically thrown forward an additional 3% inch into a deadlocked position by the action of the slide which remains retracted when door is closed. Bolt can always be retracted by key or knob.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks

Number	Strike	Bolt	Cylinder and Knob
908 908 RB	Rim	Brass	Brass, Buffed
300KB	Rev. Bevel	Brass	Brass Buffed

Packed each in a box, complete with screws, strike and template. Weight each, 13/4 lbs.

Suitable for doors with narrow stiles.

DIMENSIONS

CASE Iron, wrinkled brass finish, 23/8x23/4x11/8 inches.

CYLINDER **KEYS**

No. 10, five pin-tumblers. Three, No. 615, changes, practically unlimited. BACKSET 15/8 inches.

For doors 1 to 21/2 inches thick, either right or left hand.

Rim strike used for doors opening in. Flat strike used for doors opening out, (reverse bevel) by reversing the bolt.

OPERATION

From outside by key, from inside by knob. Bolt may be held back by stop.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

Number	Bolt	Cylinder and Knob
909	Brass	Brass Buffed

Packed each in a box, complete with screws, rim and flat strikes. Weight each, 13/8 lbs.

DIMENSIONS

CASE Bronze, buffed finish, 21/4x31/2x11/4 inches.

CYLINDER No. 10, five pin-tumblers.

KEYS Three, No. 615, changes, practically unlimited.

BACKSET 23/8 inches.

For doors 1 to 2½ inches thick, either right or left hand. Rim strike used for doors opening in. Flat strike used for doors opening out, (reverse bevel) by reversing the bolt.

OPERATION

From outside by key, from inside by knob. Bolt may be held back by stop.

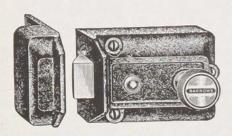
MASTER-KEYING

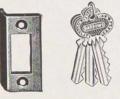
Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

Number	Bolt	Cylinder and Knob
910	Bronze	Bronze, Buffed

Packed each in a box, complete with screws, rim, flat strikes and template. Weight each, 13/4 lbs.

CYLINDER RIM SPRING LATCHES AND DEAD LATCHES







DIMENSIONS

Iron, wrinkled brass finish, 21/2x35/8x11/8 inches. CASE

CYLINDER No. 10, five pin-tumblers.

Three, No. 615, changes, practically unlimited.

23/8 inches. BACKSET

For doors 1 to 2½ inches thick, either right or left hand. Rim strike used for doors opening in. Flat strike used for doors opening out, (reverse bevel) by reversing the bolt.

OPERATION

No. 914 from outside by key, from inside by knob. Bolt may be held back by stop and also deadlocked against end pressure by key or knob. When deadlocked, latch bolt has an additional throw of 1/8 inch. No. 915, same as above, but bolt may be deadlocked by stop so that key or knob will not unlock it.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

Number	Bolt	Cylinder and Knob
914	Brass	Brass, Buffed
915	Brass	Brass, Buffed

Packed each in a box, complete with screws, rim and flat strikes. Weight each, 1 1/2 lbs.



Iron, wrinkled brass finish, 23/8x31/2x11/4 inches. CASE

CYLINDER No. 10, five pin-tumblers.

Three, No. 615, changes, practically unlimited. KEYS

BACKSET 23/8 inches.

For doors 1 to 2½ inches thick, either right or left hand. Rim strike used for doors opening in. Flat strike used for doors opening out,

(reverse bevel) by reversing the bolt.

OPERATION

No. 916 from outside by key, from inside by knob. Bolt may be held back by stop and also deadlocked against end pressure by key or knob. When deadlocked, latch bolt has an additional throw of 1/8 inch.

No. 917 same as above, but bolt may be deadlocked by stop so that key or

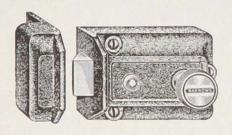
knob will not unlock it.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

Number	Bolt	Cylinder and Knob
916	Brass	Brass, Buffed
917	Brass	Brass, Buffed

Packed each in a box, complete with screws, rim, flat strikes and template. Weight each, 1 1/2 lbs.









Nos. 916 Springlatch and 917 Deadlatch

CYLINDER RIM DEADLOCKS

Suitable for doors or gates with a narrow stile.

CASE Iron, wrinkled brass finish, $2\frac{3}{4}x2\frac{1}{2}x1\frac{5}{16}$ inches.

CYLINDER No. 10, five pin tumblers.

KEYS Three, No. 615; changes, practically unlimited.

BOLT Heavy brass, 1 1/4 x 3/8 inches; 11/16 inch throw.

BACKSET 1 1/4 inches.

For doors 1 to 21/2 inches thick, either right or left hand.

Rim strike used for doors opening in. Flat strike used for doors opening out (reverse bevel).

OPERATION

From outside by key, from inside by knob. Bolt has an extra long throw.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

Number	Bolt	Cylinder and Knob
912	Brass	Brass, buffed

Packed each in a box, complete with screws, rim, flat strikes and template. Weight each, 134 pounds.

Suitable for general use on doors, gates, etc., where a deadlock is required.

CASE Iron, wrinkled brass finish, 21/4x35/8x13/16 inches.

CYLINDER No. 10, five pin tumblers.

KEYS Three, No. 615; changes, practically unlimited.

BOLT Brass, lx1/2 inches; 5/8 inch throw.

BACKSET 23/8 inches.

For doors 1 to 2½ inches thick, either right or left hand.

Rim strike used for doors opening in. Flat strike used for doors opening out (reverse bevel).

OPERATION

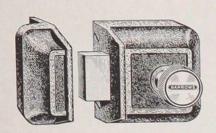
From outside by key, from inside by knob.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

Number	Bolt	Cylinder and Knob
913	Brass	Brass, buffed

Packed each in a box, complete with screws, rim and flat strikes. Weight each, 15% pounds.

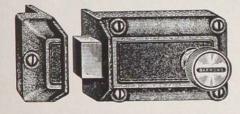








No. 912—Deadlocks







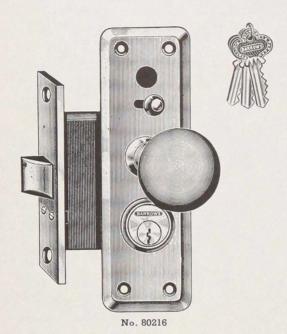


No. 913—Deadlocks

Illustrations One-third Size

COUPON BOOTH LATCH SETS

WITH INDICATOR



LOCK DIMENSIONS

Japanned iron, 35/8x33/8x3/4 inches. CASE

FRONT Flat, 53/4xl inches.

STRIKE Center of opening to end of lip, 11/2 inches. SPACING Center of knob hub to center of cylinder, 1 7/8 in.

2½ inches. BACKSET TRIM

KNOBS

Cast bronze, 2½ inches.
Outside, cast bronze, 8x2½ inches. **ESCUTCHEONS** ESCUTCHEONS Inside, cast bronze, 6x2 inches.

OPERATION

Latch Bolt, by key from outside only. Outside knob rigid. By inside knob at all times. The indicator is set on white, by thumb button on escutcheon and door left partly open showing booth is unoccupied. When the door is closed the indicator remains on white, showing booth is occupied. When inside knob is turned to open door, throws indicator on red, showing booth is unoccupied and ready for inspec-

KEYING

Keyed alike unless otherwise specified. Cylinders can be masterkeyed, in sets, with any other Barrows cylinder locks, using same class key.

NOT REVERSIBLE-Type "M" Construction, Page No. 279

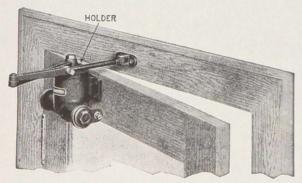
Number	Front	Bolt	Cylinder	Keys	Changes
80216	Cast Bronze	Cast Bronze	One, Cast Bronze, No. 5	Three, 615	Unlimited

Packed each set in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify hand described on Page No. 43.

COUPON BOOTH DOOR CLOSER



Sizes B-CB and C-CB

DESCRIPTION

A coupon booth serves a special purpose and requires a special closer. Its function is to close the door surely while the booth is occupied to insure privacy. Also, after the user has departed the Coupon Booth Door Closer protects anything that may have been left in the booth by mistake. Then the special functions of this closer are apparent after the guard has unlocked the door and inspected the booth. He opens the door a few inches and the closer holds it there. This ventilates the booth, also enables the guard to tell at a glance the booths which are unoccupied. This closer operates just like the Three-Point Holder Closer with the exception that it holds the door at only one point.

REVERSIBLE—For Right or Left Hand Door, by Reversing Spring

Size	Material	For Doors Where Normal Conditions Prevail	Packed in Case	Weight Per Case
B-CB	Iron	Light Doors—2'8"x7'0"x13%"	12	122 Pounds
C-CB	Iron	Heavy Doors—3'0"x7'0"x134"	12	155 Pounds

Packed each in a box, complete with screws.

Specify if regulating key in place of regulating screw is required, Page No. 545.

Specify if solid bronze metal is required.

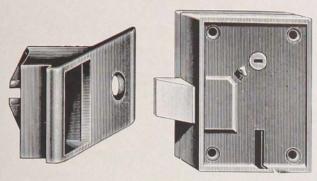
Gold Bronze finish will be shipped unless otherwise specified. Page No. 532.

For other door closers, see Pages No. 532 to 546.

Can be furnished with bracket for inside installation by specifying.

RIM GARAGE LOCK

CYLINDER
BLACK JAPANNED FINISH



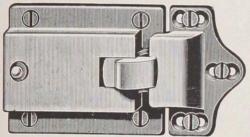
Inside View No. 1250 Lock







No. 10 Cylinder—For All Garage Locks



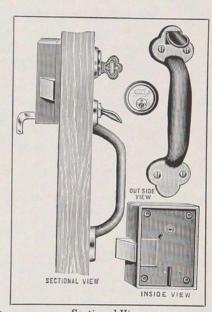
No. 1255—For Double Doors Opening Out No. 1255S —For Single Doors Opening Out



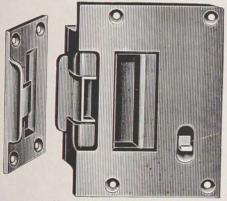
Strike For Single Door



Outside View Handle for No. 1250 Only



Sectional View No. 1250



No. 1260—Half Mortise For Sliding Doors

OPERATION

No. 1250—Operated by thumb latch from both sides when not dead locked. Locked or unlocked by key from outside or thumbslide on inside. The latch bolt becomes a dead bolt when locked by key or slide.

No. 1255—Operated by key from outside or thumb latch from inside. Latch bolt can be held retracted by stop.

No. 1260—Operated by key from outside or retracting pull from inside. Latch bolt can be held retracted by stop.

MASTER-KEYING

Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

REVERSIBLE

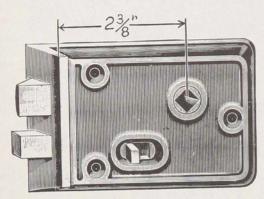
Number	Size	MATERIAL			Backset	Thickness
	Dize	Case	Latch	Strike	Duckset	of Doors
1250 1255 1255S 1260	$4\frac{1}{4}$ x3 $\frac{7}{8}$ in. $3\frac{1}{2}$ x $4\frac{5}{16}$ in. $3\frac{1}{2}$ x $4\frac{5}{16}$ in. $5\frac{3}{8}$ x 4 in.	Cast Iron Cast Iron Cast Iron Cast Iron	Cast Bronze Cast Iron Cast Iron Mall. Iron	Cast Iron Cast Iron Cast Iron Mall. Iron	2½ in. 3 in. 3 in. 2% in.	78 to 2½ in. 78 to 2½ in. 78 to 2½ in. 1½ to 3 in.

No. 1250 set can be furnished with other types of sectional handles.

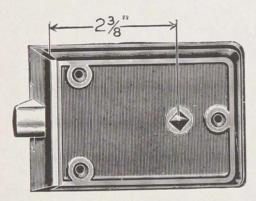
Packed—No. 1250 each set one in a box complete with screws. Nos. 1255, 1255S and 1260—each in a box complete with screws.

RIM KNOB LATCHES AND DEAD LOCKS

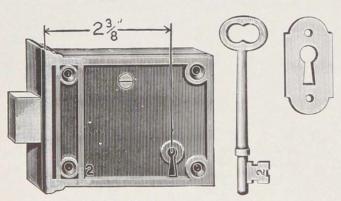
BLACK JAPANNED FINISH



Nos. 950 and 950RB-Latch



Nos. 952 and 952RB-Latch



No. 954—Dead Lock

DIMENSIONS

CASE

Japanned iron, 25/8x33/4x3/4 inches.

REVERSIBLE No. 950, rim strike doors opening in.
No. 950RB, mortise strike for doors open-

ing out (reverse bevel).

BACKSET

23/8 inches.

HUB

Iron, for knob spindle, 5/16 inch.

LATCH

SPRING

Brass, compression.

OPERATION

Latch Bolt, by knobs from either side. Slide Bolt, by thumb slide from inside.

DIMENSIONS

CASE

Japanned iron, 25/8x33/4x3/4 inches.

REVERSIBLE No. 952, rim strike for doors opening in. No. 952RB, mortise strike for door opening

out (reverse bevel).

BACKSET

23/8 inches.

HUB

Iron, for knob spindle, 5/16 inch.

LATCH

SPRING

Brass, compression.

OPERATION

Latch Bolt, by knob from either side.

DIMENSIONS

CASE

Japanned iron, 21/2x31/4x3/4 inches.

BACKSET 23% inches.

OPERATION

Dead Bolt, by key from either side.

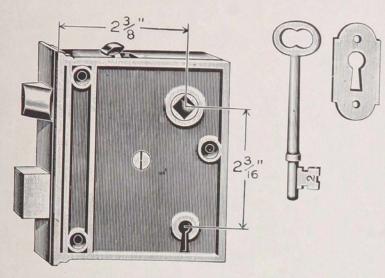
REVERSIBLE

Number	Bolts	Key	Tumbler	Changes	Key Escutcheon	Weight Dozen
950 950RB 952 952RB 954	Cast Iron Cast Iron Cast Iron Cast Iron Cast Iron Cast Iron				P1485	11 Lbs. 11 Lbs. 11 Lbs. 11 Lbs. 11 Lbs.

No. 63R Key is cadmium plated.

Packed 1/2 dozen in a box, complete with screws.

BLACK JAPANNED FINISH



Nos. 940 and 940RB Nos. 941 and 941RB

DIMENSIONS

CASE

Japanned iron, 33/4x31/4x3/4 in. REVERSIBLE Nos. 940 and 941, rim strikes

for doors opening in.

Nos. 940RB and 941RB, mortise strike for doors opening out

(reverse bevel).

SPACING BACKSET $2^3/16$ inches.

HUB

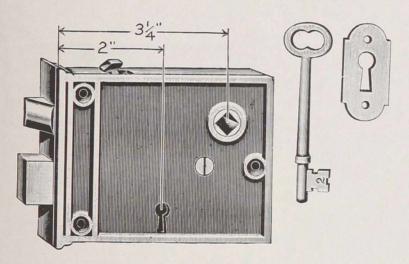
23/8 inches. Iron, for knob spindle, 5/16 inch.

LATCH SPRING

Brass, compression.

OPERATION

Latch Bolt, by knobs from either side. Stop on case, dead locks the latch bolt. Dead Bolt, by key from either side.



Nos. 945 and 945RB Nos. 944 and 944RB

DIMENSIONS

CASE

Japanned iron, 31/8x4x3/4 inches. REVERSIBLE Nos. 945 and 944, rim strikes

for doors opening in.
Nos. 945RB and 944RB mortise

strikes for doors opening out

(reverse bevel).

BACKSET

To Hub, 31/4 inches. To Key, 2 inches.

HUB

Iron, for knob spindle, 5/16 inch.

LATCH SPRING

Brass, compression.

OPERATION

Latch Bolt, by knob from either side. Stop on case dead locks the latch bolt. Dead Bolt, by key from either side.

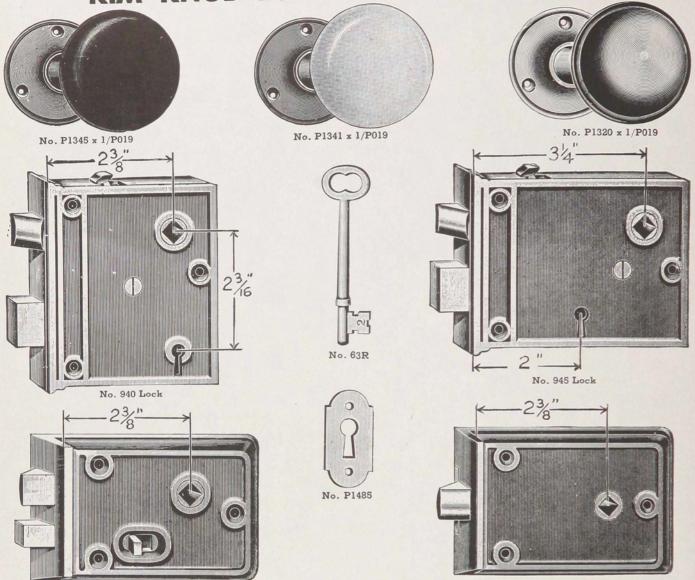
REVERSIBLE

Number	Bolts	Key	Tumbler	Changes	Key Escutcheon	Weight Dozen
940 940RB 941 941RB 945 945RB 944 944RB	Cast Iron Cast Iron Cast Brass Cast Brass Cast Iron Cast Iron Cast Brass Cast Brass	One, 63R One, 63R One, 63R One, 63R One, 63R One, 63R One, 63R	One, Steel	4 4 4 4 4 4 4	P1485 P1485 P1485 P1485 P1485 P1485 P1485 P1485	14 Lbs. 14 Lbs. 14 Lbs. 14 Lbs. 14 Lbs. 14 Lbs. 14 Lbs. 14 Lbs.

No. 63R key is cadmium plated.

Packed ½ dozen in a box, complete with screws. 6 dozen in a carton. Weight per carton 98 pounds.

RIM KNOB LOCK AND LATCH SETS



No. 950 Latch

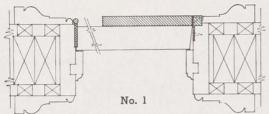
No. 952 Latch

Number	Lock and	d Latch	Knobs	Rose	Key Escutcheon	Weight of Carton
Number	Number	Page		30 Sets		
1940J 1940M 1940P 1940S 1941J 1941M 1941P 1941S 1945J 1945M 1945P 1945S 1950J 1950M 1950P 1950S 1952J 1952M 1952P 1952S	940 940 940 940 941 941 941 941 945 945 945 945 950 950 950 950 952 952 952	383 383 383 383 383 383 383 383 383 383	P1345 P1343 P1341 P1320 P1345 P1343 P1341 P1320 P1345 P1343 P1341 P1320 P1345 P1341 P1320 P1345 P1341 P1320 P1345 P1341 P1320	P019 P019 P019 P019 P019 P019 P019 P019	P1485 None None None None None None None None	64 Lbs. 58 Lbs. 57 Lbs.

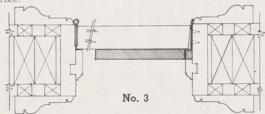
Finish—010—Japanned. P1343 knobs are mineral (reddish brown). Not illustrated. Packed, one set in a box, complete with screws. 30 sets in a carton.

COLONIAL RIM LOCKS

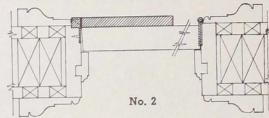
HAND OF COLONIAL RIM LOCKS



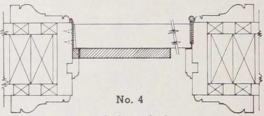
Left hand regular door with rim lock applied to hinge side of door. Use left hand lock with regular bevel latch bolt and regular rim strike.



Left hand door with rim lock applied to reverse side of door. Use right hand lock with reverse bevel latch bolt and special extended lip rim strike. Furnish detail of casing and give width of stile and thickness of door.



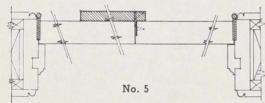
Right hand regular door with rim lock applied to hinge side of door. Use right hand lock with regular bevel latch bolt and regular rim strike.



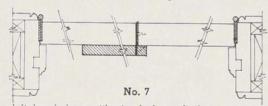
Right hand door with rim lock applied to reverse side of door.

Use left hand lock with reverse bevel latch bolt and special extended lip rim strike. Furnish detail of casing and give width of stile and thickness of door.

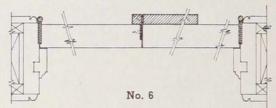
Nos. 3 and 4 are the approved applications for interior doors. Locks are displayed when doors are closed or opened.



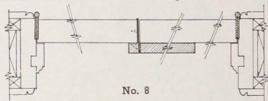
Active left hand regular door with rim lock applied to hinge side of door. Use left hand lock with regular bevel latch bolt and regular rim strike with or without flange.



Active left hand door with rim lock applied to reverse side of door. Use right hand lock with reverse bevel latch bolt and extended lip rim strike. Furnish detail of casing and give width of stile and thickness of door.

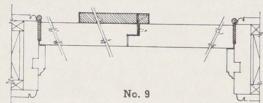


Active right hand regular door with rim lock applied to hinge side of door. Use right hand lock with regular bevel latch bolt and regular rim strike with or without flange.

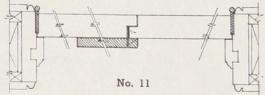


Active right hand door with rim lock applied to reverse side of door. Use left hand lock with reverse bevel latch bolt and extended lip rim strike. Furnish detail of casing and give width of stile and thickness of door.

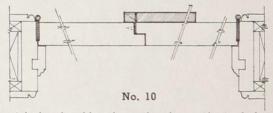
Nos. 7 and 8 are the approved applications for interior doors. Locks are displayed when doors are closed or opened.



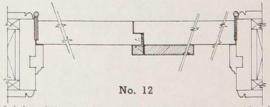
Active left hand, rabbeted, regular door with rim lock applied to hinge side of door. Use left hand lock with regular bevel latch bolt and regular rim strike.



Active left hand door with rim lock applied to reverse side of door. Use right hand lock with reverse bevel latch bolt and regular rim strike with flange. Sometimes it is necessary to furnish extra angle strike to protect wood at point of rabbet, or if regular strike has no flange then it is necessary to make a special strike. Furnish detail of casing and give width of stile and thickness of door.



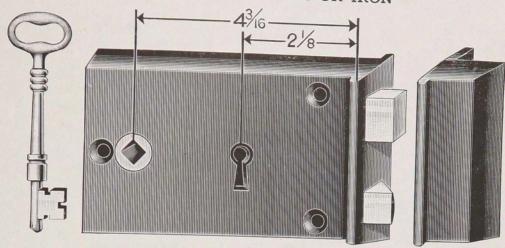
Active right hand, rabbeted, regular door with rim lock applied to hinge side of door. Use right hand lock with regular bevel latch bolt and regular rim strike.



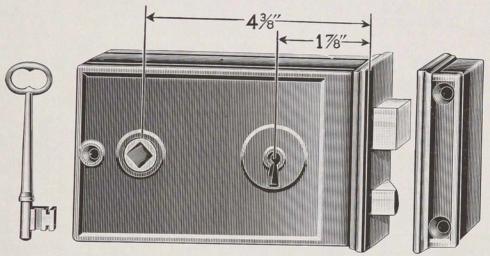
Active left hand door with rim lock applied to reverse side of door. Use left hand lock with reverse bevel latch bolt and regular rim strike with flange. Sometimes it is necessary to furnish extra angle strike to protect wood at point of rabbet or if regular strike has no flange then it is necessary to make a special strike. Furnish detail of casing and give width of stile and thickness of door.

Blank lock case housings can be furnished, in place of regular strike, to be applied as a strike to the inactive door or pairs of doors.

CAST BRONZE, BRASS OR IRON



Nos. 1001 and P1001



No. P1000

DIMENSIONS AND OPERATION OF No. 1001 AND

No. P1001

CASE

Cast Bronze, Brass, or Iron, 31/4x53/16x13/16

Flange on strike, only 7/8 inches. Cast Bronze, Brass, or Iron.

STRIKE HUB

Bronze for 5/16 inch solid spindle.

KEY

One Bronze.

BACKSET

Front to center of key hole, $2\frac{1}{8}$ inches. Front to center of knob hub, $4\frac{3}{16}$ inches.

LATCH BOLT 1/2 inch throw. DEAD BOLT 1/2 inch throw.

OPERATION

Latch Bolt, by knobs from both sides. Dead Bolt, by key from either side.

MASTER-KEYING

Cannot be master-keyed.

DIMENSIONS AND OPERATION OF No. P1000

CASE

Cast Iron, japanned, dead black. 33/8x $59/16x^{13}/6$ inches.

No flanges on lock or strike.

STRIKE

Cast Iron.

HUB

Cast Iron, cadmium plated. For $\frac{5}{16}$ inch

solid spindle.

KEY

One, Bronze.

BACKSET

Front to center of keyhole, 17% inches. Front to center of knob hub, 43% inches.

LATCH BOLT 3/8 inch throw. DEAD BOLT 1/16 inch throw.

OPERATION

Latch Bolt, by knobs from both sides.

Dead Bolt, by key from either side.

MASTER-KEYING

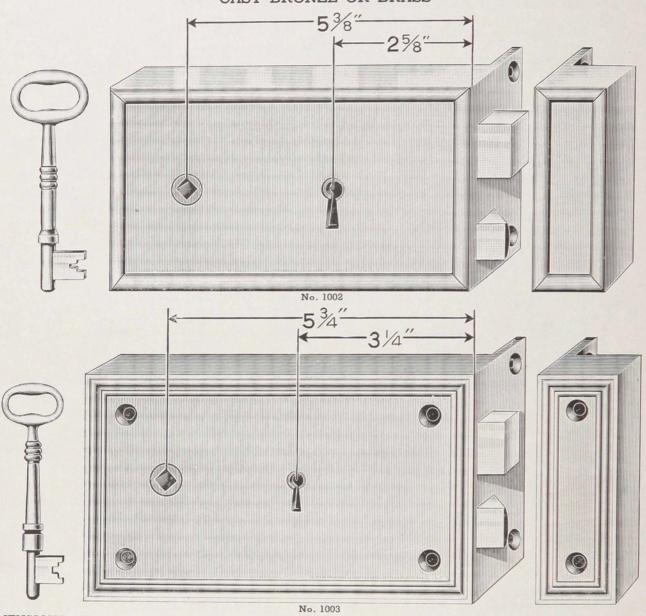
Cannot be master-keyed.

NOT REVERSIBLE

Number	Case	Bolts	Tumbler	Key	Changes	Master Key
P1000 P1001 1001	Cast Iron, Dead Black Cast Iron, Dead Black Cast Bronze or Brass	Bronze Bronze Bronze	One One One	One, B994 One, B995 One, B995	4 12 12	None None None

Packed each in a box, complete with screws. Specify Number. Specify Finish of No. 1001. Refer to Page No. 36 for description of final and screws. tion of finishes. Specify hand described on Page No. 385.

CAST BRONZE OR BRASS



DIMENSIONS AND OPERATION OF No. 1002

Cast Bronze or Brass, $4x6.78x\%_6$ inches. Flange on lock front, $\%_6$ inch. CASE

Flange on strike, % inch. Cast Bronze or Brass.

HUB Bronze for 5/16 inch solid spindle. KEY One bronze.

Front to center of keyhole, 25% inches. Front to center of knob hub, 53% inches. BACKSET

LATCH BOLT 1/2 inch throw. DEAD BOLT 5/8 inch throw. **OPERATION**

Latch Bolt, by knobs, levers or drop rings from both sides. Dead Bolt, by key from

either side.

MASTER-KEYING Cannot be master-keyed.

DIMENSIONS AND OPERATION OF No. 1003

Cast Bronze or Brass, $4\frac{1}{4}x7\frac{1}{4}x1\frac{1}{16}$ ins. Flange on lock front, 1 inch. CASE

Flange on strike, 11/4 inches.

STRIKE Cast Bronze or Brass HUB Bronze for 5/16 inch solid spindle.

KEY One bronze. BACKSET

Front to center of key hole, 31/4 inches. Front to center of knob hub, 53/4 inches.

LATCH BOLT 7/16 inch throw. DEAD BOLT 7/16 inch throw.

OPERATION Latch Bolt, by knobs, levers or drop rings from both sides. Dead Bolt, by key from

either side.

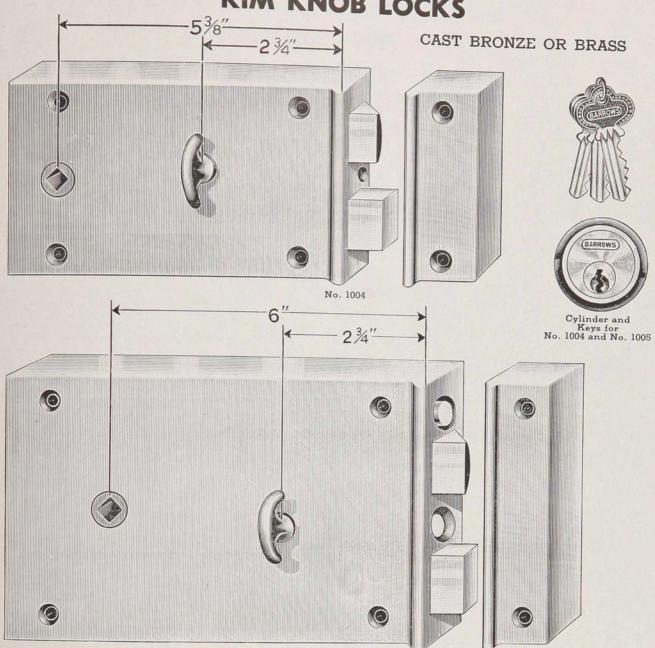
MASTER-KEYING Cannot be master-keyed.

NOT REVERSIBLE

Number	Case	Bolts	Tumblers	Key	Changes	Master Key
1002 1003	Cast Bronze or Brass Cast Bronze or Brass	Bronze Bronze	Two Three	One, Bronze B996 One, Bronze B997	8 21	None None

Packed each in a box, with screws. Refer to Page 36 for description of finishes. Hand described on Page 385.

STRIKE



DIMENSIONS AND OPERATION OF No. 1004

CASE Cast Bronze or Brass, 35/8x63/8x1 1/4 ins. No flanges on lock front or strike. STRIKE

Cast Bronze or Brass. HUBS

Bronze for 5/16 inch solid spindle. BACKSET Front to center of cylinder, 23/4 inches. Front to center of knob hub, 53/8 inches.

LATCH BOLT 1/2 inch throw. DEAD BOLT 11/16 inch throw.

CYLINDER Bronze, five pin tumbler. Changes practically unlimited.

KEYS Three, No. 615.

OPERATION

Latch Bolt, by knobs, levers, or drop rings from both sides. Dead Bolt, by key from outside and turn knob from inside.

DIMENSIONS AND OPERATION OF No. 1005

Cast Bronze or Brass, 5x8x13/16 inches. CASE No flanges on lock front or strike. STRIKE

Cast Bronze or Brass. HUBS Bronze for 5/16 inch swivel spindle. BACKSET

Front to center of cylinder, 23/4 inches. Front to center of knob hub, 6 inches.

LATCH BOLT 1/2 inch throw. DEAD BOLT 1/2 inch throw.

CYLINDER Bronze, five pin tumbler. Changes practically unlimited.

KEY Three, No. 615.

OPERATION Latch Bolt, by knobs, levers, or drop rings from outside, when stop in front of lock is not set. By key from outside when stop is set. Dead bolt by key from outside and turn knob inside.

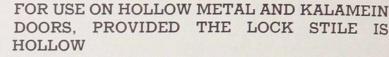
MASTER-KEYING Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

No. 1005

Packed each in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes. Not Reversible. Specify hand described on Page No. 385. Key bow turn knob can be furnished instead of crescent by prefixing NVP. ing "KB," at additional charge.

THREE POINT FIRE DOOR LOCKS

APPROVED BY THE UNDERWRITERS' LABORATORIES



No. 956 is made up of two separate units; one consisting of the auxiliary 3-point bolt work which is assembled on a plate $1\frac{3}{8}$ in. wide and is installed while the door is being built; the bolts are of steel, $\frac{3}{4}$ in. in diameter and with $\frac{3}{4}$ in. throw. The other unit is the lock mechanism which is built up on one of the escutcheon plates.

In applying the lock this plate is first secured to the door and the latch bolt inserted through bolt hole in edge of door and adjusted to its correct position in lock. The other plate and knob are then secured to the door by means of steel machine screws engaging the opposite plate.

The latch bolt and the three auxiliary steel bolts are automatically released by plunger (A) located near edge of door, impinging against door stop or bead. These bolts, when released, shoot into the jamb each time door is closed, thus holding door securely at three points, independently of the latch bolt, and preventing its warping away from jamb in case of fire. When door is opened from either side by turning knob, the latch bolt and the three auxiliary bolts are withdrawn and automatically held in retracted position until door is closed, thus allowing the door to close to the locked position without resistance.

No. 957—Same as No. 956, except that the three-auxiliary bolt device is omitted.

No. 958—Same as No. 956 except that stop-work and dead-locking bolt are omitted. This is accomplished by using knobs without cylinder on both sides of the lock, and furnishing a solid hub. This gives a knob latch operation, i. e., lock operated from both sides at all times by knob.

No. 959—For use on the standing leaf of a pair of doors. This lock has but two auxiliary bolts, one projecting from the top, and the other from the bottom of the door. The knob action is identical with that of No. 958 except that the latch bolt is omitted, the knobs being used simply for operating the two-point bolt mechanism. A stop bracket is added to the bolt mechanism in order to prevent the retraction of the two auxiliary bolts until after the bolt work in the swinging leaf has been retracted. In order to eliminate the possibility of the swinging leaf closing before the standing leaf, in case both doors are opened, a controller (No. 1943) is furnished with this lock which prevents the swinging leaf from closing until the standing leaf has swung into position.

Latch Bolt, Bronze; 13/8x1 inches, 3/4 inch throw.

Keys, three, List No. 615; changes, practically unlimited.

Cylinder. cast bronze, No. 5.

For Doors, $1\%_6$ and $1\%_6$ inches thick. Other thicknesses to order, and at an additional price. Cannot be used on doors less than $1\%_6$ inches thick.

Trim, to preclude the possibility of fire penetrating the door by reason of the possible fusing of the trim, the latter is composed of one cast iron (bronze veneered) escutcheon plate with steel knob thimble and one bronze-covered steel knob with steel shank on one side, and one bronze escutcheon plate and knob on the other.

Operation—No. 956. From inside by knob at all times; from outside by knob except when stopped by key in outside knob. Latch bolt is provided with deadlocking feature (B) which automatically deadlocks it when the door is closed.

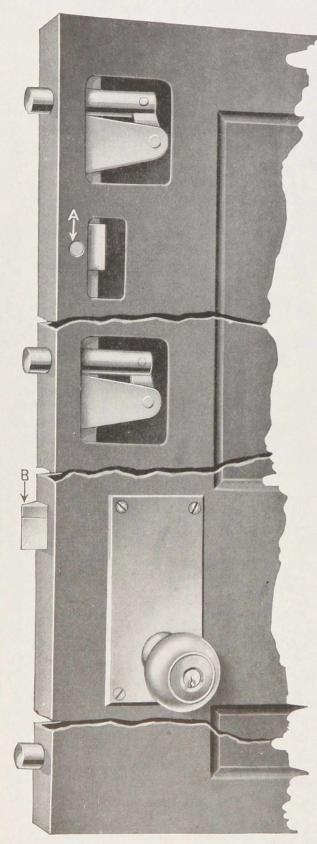
(For operation of the other numbers, see description above.)

Number	Backset	Size of Knobs	Size of Plates
956 to 959	3¼ in.	2½x2½ in.	63/4x3 in.

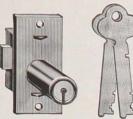
The minimum width of stile on which these locks can be used is 478 in.

Master-keying—Cylinders can be master-keyed, in sets, with any other Barrows cylinder locks using same class key.

When ordering, give list number, thickness, height and hand of door, detail of jamb, and finish. For finishes, see page No. 36.



WARDROBE LOCKS









Nos. 12, P12 and 13, P13

RIGHT OR LEFT HAND-Bolt Travels Right and Left

						cis itigitt a	itu Hert		
Number	Material	Size Inches	*Backset Inches	For Wood Inches	Tumblers	Regular Changes	Possible Changes	Possible Master Key Changes	Keys, Two
10 P10 12 P12 13 P13	Brass Steel Brass Steel Brass Steel	178x 78 178x 78 234x14 234x14 3 x158 3 x158	7/16 7/16 5/8 5/8 13/16	7/8 7/8 7/8 7/8 7/8 7/8	2 2 2 2 2 2 2	12 12 12 12 12 12 12	1290 1290 7770 7770 7770 7770	210 210 1290 1290 1290 1290	154 154 155 155 157 157

*Backset—Distance from edge of selvedge to center of nose.

*Backset—Distance from edge of servedge to center of nose.

Nos. 10 and P10 furnished regularly for 1/8 inch wood, also for 1/2, 5/8, 3/4, 1 and 1/8 inch wood at no extra price.

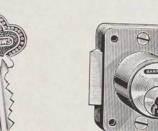
All other numbers furnished regularly for 7/8 inch wood, also for 1 and 1/8 inch wood at no extra price. Can be furnished for 1/4, 3/4 and 1/4 inch wood at additional price.

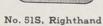
Master-keyed at additional price.

Keyed more than regular changes at additional price. Keyed alike, no additional price.

Packed, Nos. 10, 12 and 13, 1/2 dozen in a box, others 1 dozen in a box without strikes or screws. Weight per dozen, Nos. 10 and P10, 1/4 pounds; Nos. 12 and P12, 21/2 pounds; Nos. 13 and P13, 3/8 pounds.

WARDROBE LOCKS





CUPBOARD LOCKS





No. 55, Righthand

Nos. 50 AND 51, RIGHT OR LEFT HAND—Bolt Travels Right and Left No. 51S, NOT REVERSIBLE—Specify Hand

Number	Material	Size Inches	*Backset Inches	For Wood Inches	Cylinder Diameter, Inches	Changes	Master-Keying	Keys, Two
50	Brass	2x2	1	7/8	Brass, 1 ½8	Unlimited	See Footnote	615
51	Brass	2x1½	3/4	3/4	Brass, 1 ½8	Unlimited	See Footnote	615
51S	Brass	2x1½	3/4	3/4	Brass, 1 ½8	Unlimited	See Footnote	615

*Backset, is distance from edge or selvedge to center of cylinder.

Nos. 50 and 51

Nos. 51 and 51S furnished regularly for 34 inch wood, also for 76, 1, 1 1/6, 1 1/4 and 1 1/2 inch wood at no extra price.

Can be furnished for 1¼ and 1¾ inch wood, also for 1, 1½ and 1½ inch wood at no extra price.

No. 50 furnished regularly for ½ inch wood, also for 1, 1½ and 1½ inch wood at no extra price.

Can be furnished for ¾, 1¼ and 1¾ inch wood at additional price.

Master-keyed at additional price. Also can be keyed with regular lock cylinders Nos. 5 and 10, Page No. 406, and padlocks, Page No. 395. Keyed alike at additional price.

Alike furnished and arrever except 51S packed with strike

ES CURROARD LOCK NOT REVERGIBLE Specify Hand

Packed, 1/12 dozen in a box, ½ dozen in a carton, without strikes and screws, except 51S packed with strike.

	No. 55, CUPBOARD LOCK, NOT REVERSIBLE—Specify Hand												
Number	Material	Size Inches	*Backset Inches	For Wood Inches	Cylinder Diameter, Inches	Changes	Master-Keying	Keys, Two					
55	Brass	21/x176	1	7/8	Brass, 1 1/8	Unlimited	See Foot note	615					

*Backset, is distance from edge or selvedge to center of cylinder. Regularly furnished for 1/8 inch wood.

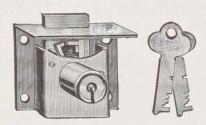
Can be furnished for 1, 11/8, 11/4, 13/8 and 11/2 inch wood at additional price.

Master-keyed at additional price. Also can be keyed to standard lock cylinders Nos. 5 and 10, Page No. 406, and padlocks, Page No. 395. Keyed alike at additional price. Alike furnished with one key to each lock.

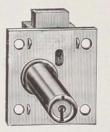
Finish—Cylinder, polished brass. Can be furnished in other finishes (Page No. 36) at additional price.

Packed 1/12 dozen in a box, 1/2 dozen in a carton, without strikes or screws. Weight per dozen, 41/2 pounds.

DRAWER LOCKS



Nos. 95 and P95





Nos. 59 and P59

Number	Material	Size Inches	*Drop Inches	For Wood Inches	Tumblers	Regular Changes	Possible Changes	Possible Master Key Changes	Keys, Two
95 P95 59 P59	Brass Steel Brass Steel	15/8x2 15/8x2 17/8x15/8 17/8x15/8	7/8 7/8 7/8 7/8 7/8	7/8 7/8 7/8 7/8 7/8	2 2 2 2	12 12 12 12	7770 7770 3120 3120	1290 1290 620 620	310 310 359 359

*Drop is distance from edge or selvedge to center of nose.

Nos. 95 and P95 regularly furnished for 1/8 inch wood at no extra price. Can be furnished for 5/6, 3/4, 1 and 1 1/8 inch wood at additional price.

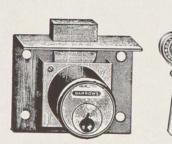
Nos. 59 and P59 regularly furnished for 1/2, 5/8, 3/4, 7/8, 1 and 1 1/8 inch wood at no extra price.

Master-keyed at additional price.

Keyed more than regular changes at additional price.

Keyed alike at additional price. Alike furnished with one key to each lock.

Packed 1 dozen in a box, without strikes or screws. Weight per dozen, 2 pounds.



Dead Bolt Nos. 61 and 71





Spring Bolt No. 61S

Number	Material	Size Inches	*Drop Inches	For Wood Inches	Cylinder Diameter, Inches	Changes	Master-Keying	Keys, Two
61	Brass	1 7/8x2 1/4	l	7/8	Brass, 1 1/8	Unlimited	See Footnote	615
71	Brass	23/8x2 1/4	l ½	7/8	Brass, 1 1/8	Unlimited	See Footnote	615
61S	Brass	1 7/8x2 1/4	l	7/8	Brass, 1 1/8	Unlimited	See Footnote	615

*Drop is distance from edge of selvedge to center of cylinder.

Regularly furnished for 3/4 and 7/8 inch wood.

Can be furnished for 1, $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{3}{8}$ and $1\frac{1}{2}$ inch wood at additional price.

Master-keyed at additional price. Also can be keyed with standard lock cylinders Nos. 5 and 10, Page No. 406, and padlocks, Page No. 395.

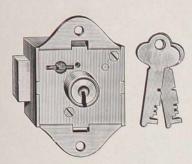
Keyed alike at additional price. Alike furnished with one key to each lock.

Finish—Cylinder, polished brass. Can be furnished in other finishes (Page No. 36) at additional price.

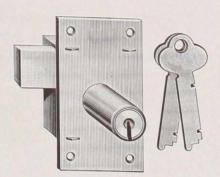
Packed 1/12 dozen in a box, ½ dozen in a carton, without strikes or screws, except No. 61S packed with strike.

Weight per dozen, Nos. 61 and 61S, $4\frac{1}{8}$ pounds. No. 71, $5\frac{1}{4}$ pounds.

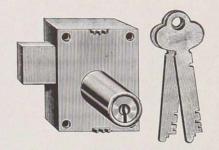
LOCKER LOCKS







No. P23 Bolt has 5% Inch Throw



Nos. 20 and P20 Bolt has 5/8 Inch Throw

RIGHT OR LEFT HAND—Bolt Travels Right and Left

Number	Material	Size Inches	*Backset Inches	For Wood Inches	Tumblers	Regular Changes	Possible Changes	Possible Master Key Changes	Keys, Two
P81 ½ P23 20 P20	Steel Steel Brass Steel	23/4x13/4 3 x15/8 2 x15/8 2 x15/8	7/8 13/16 13/16 13/16	1/4 7/8 7/8 7/8 7/8	3 5 5 5	12 12 12 12	46650 7770 46650 46650	7770 1290 7770 7770	381½ 157 157 157

*Backset is distance from edge of selvedge to center of nose.

No. P81 ½ furnished regularly for ¼ inch wood or metal, also for ¾ inch wood at no extra price.

Can be furnished for ¾ 1/6, ½, ½ and ½ inch wood at additional price.

No. P23 furnished regularly for ½ inch wood, also for ½, ¾, 1, 1½ and 1¼ inch wood at no extra price.

Nos. 20 and P20 furnished regularly for ½ inch wood, also for ½, ¾, 1, 1½ and 1¼ inch wood at no extra price.

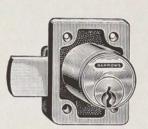
Master-keyed at additional price.

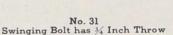
Keyed more than regular changes at additional price.

Packed, No. P81 ½, 1 dozen in a box, without strikes or screws. Weight per dozen, 2¾ pounds. Packed, No. P23, ½ dozen in a box, without strikes or screws. Weight per dozen, 4¾ pounds. Packed, Nos. 20 and P20, ½ dozen in a box, without strikes or screws. Weight per dozen, 4½ pounds.



No. 11 Bolt has 1 Inch Throw





RIGHT OR LEFT HAND—Bolt Travels Right and Left on No. 11 and Swings Over on 31L

Number	Material	Size Inches	*Backset Inches	For Wood Inches	Cylinder Diameter, Inches	Changes	Master-Keying	Keys, Two
11	Brass	2 x15/8	13/16	3/4	Brass, 1 1/8	Unlimited	See Footnote	615
31	Brass	2 x1½	3/4	3/4	Brass, 1 1/8	Unlimited	See Footnote	615

*Backset is distance from edge of selvedge to center of cylinder.

No. 11 regularly furnished for 34 inch wood, also for 78, 1, 14 and 14 inch wood at no extra price. Can be furnished for 14 inch wood at additional price.

No. 31 furnished for 1 /8 inch wood at additional price.

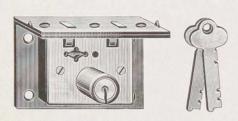
No. 31 furnished regularly for 3/4 inch wood, also for 7/8, 1, 1 1/4 and 1 1/2 inch wood at no extra price.

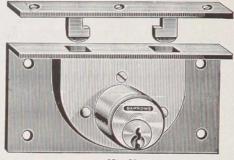
Can be furnished for 2 inch wood at additional price.

Master-keyed at additional price. Also can be keyed with regular lock cylinders Nos. 5 and 10, Page No. 406, and padlocks, Page No. 395.

Keyed alike at additional price. Alike furnished with one key to each lock. Finish—Cylinder, polished brass. Can be furnished in other finishes (Page No. 36) at additional price. Packed 1/12 dozen in a box, ½ dozen in a carton, without strikes or screws. Weight per dozen, 7½ pounds.

CHEST LOCKS





No. 64

No. 64-Self Locking

No. 21

Number	 Material	Size Inches	*Drop Inches					Possible Master Key Changes	Keys, Two
64	Brass	13/4×21/2	1	3/4, 1, 1 1/4	4	12	1020	252	154

*Drop is distance from edge of selvedge to center of nose. Regularly furnished for 3/4, 1 and 1 1/2 inch wood at no extra price. Can be furnished for $\frac{7}{8}$, $\frac{1}{8}$ and $\frac{1}{4}$ inch wood at additional price. Master-keyed at additional price. Keyed more than regular changes at additional price. Keyed alike at additional price. Alike furnished with one key to each lock. Packed ½ dozen in a box, without screws. Weight per dozen, 2¾ pounds.

No. 21-Not Self Locking

Number	Material	Size Inches			Cylinder Diameter, Inches	Changes	Master-Keying	Keys, Two
21	Brass	2x4	1 1/4	1 1/4	Brass, 1 1/8	Unlimited	See Footnote	615

*Drop is distance from edge of selvedge to center of cylinder. Regularly furnished for 1 1/4, 1 1/2 and 1 3/4 inch wood at no extra price.

"Drop is distance from eage of servedge to center of cylinder. Regularly furnished for 1 1/2, and 1/4 filet wood at no extra pince.

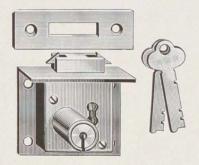
Can be furnished for 1 1/8, 2 and 2 1/8 inch wood at additional price.

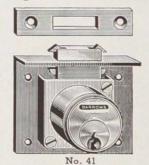
Master-keyed at additional price. Also can be keyed with standard lock cylinders Nos. 5 and 10, Page No. 406, and padlocks, Page No. 395. Keyed alike at additional price. Alike furnished with one key to each lock.

Finish—Cylinder, polished brass. Can be furnished in other finishes (Page No. 36) at additional price.

Packed 1/12 dozen in a box, without screws. Weight per dozen, 9 1/8 pounds.

DESK LOCKS







No. 89

No. 89-Hooks Withdraw When Unlocked

Number	Material	Size Inches	*Drop Inches	For Wood Inches	Tumblers Lever	Regular Changes		Possible Master Key Changes	Keys, Two
89	Brass	15/8x2	7/8	7/8	3	12	252	60	154

*Drop is distance from edge of selvedge to center of nose. Regularly furnished for 1/8 inch wood at no extra price. Can be furnished for 5/8, 3/4 and 1 inch wood at additional price. Master-keyed at additional price. Keyed more than regular changes at additional price. Keyed alike at additional price. Alike furnished with one key to each lock. Packed 1 dozen in a box with strikes and without screws. Weight per dozen, 2½ pounds.

No. 41-Hooks Withdrawn When Unlocked

Number	Material	Size Inches	*Drop Inches	For Wood Inches	Cylinder Diameter, Inches	Changes	Master-Keying	Keys, Two
41	Brass	17/8x21/4	1	3/4	Brass, 1 1/8	Unlimited	See Footnote	615

*Drop is distance from edge of selvedge to center of cylinder. Regularly furnished for 3/4 and 7/8 inch wood at no extra price. Can be furnished for 1, 1 1/8, 1 1/4, 13/8 and 1 1/2 at additional price.

Master-keyed at additional price. Also can be keyed with standard lock cylinders Nos. 5 and 10, Page No. 406, and padlocks, Page No. 395. Keyed alike at additional price. Alike furnished with one key to each lock. Finish—Cylinder, polished brass. Can be furnished in other finishes (Page No. 36) at additional price. Packed 1/12 dozen in a box, 1/2 dozen in a carton, with strikes and without screws. Weight per dozen, 43/4 pounds.

EXTRUDED BRASS PADLOCKS

PIN TUMBLER MECHANISM



Nos. 90 to 911/2 MK



Nos. 92 to 931/2MK

FIVE PIN TUMBLER EXTRUDED BRASS PADLOCKS

		Case		Shao	ckle	Vorra	Deculos	Master Ver
Number	Size Inches	Material Extruded Brass	Diameter Inches	†Clearance Inches	Material	Keys, Two	Regular Changes	Master Key Changes
90 90MK *90½ *90½MK 91 91MK *91½ *91½MK 92 92MK *92½ *92½ *93½MK 933MK *93½	1 3/4 1 3/4 1 3/4 1 3/4 1 3/4 1 3/4 1 3/4 2 2 2 2 2 2 2 2 2 2	Polished	5/16 5/16 5/16 5/16 5/16 5/16 5/16 3/8 3/8 3/8 3/8 3/8 3/8	13/6 13/6 13/6 13/6 13/6 13/6 13/6 13/6	Steel, Case Hardened Cadmium Plated Brass Polished Brass Polished Brass Polished Brass Polished Brass Polished Cadmium Plated Brass Polished Brass Polished Brass Polished Brass Polished Brass Polished Brass Polished	615 615 615 615 615 615 615 615 615 615	Unlimited	5000 5000 5000 5000 5000 5000 5000

Packed ½ dozen in a box. Weight, per dozen—Nos. 90 and 91, without chain 7¼ lbs.

Nos. 92 and 93, without chain 93/8 lbs.

Master-keying—Can be master-keyed with standard lock cylinders Nos. 5 and 10 and cabinet locks using same class key on Pages No. 391 to 394 inclusive.

*Chains—No. 90½ series furnished with 8 inches of No. P82, steel plated chain.

No. 91 ½ series furnished with 8 inches of No. 82, brass chain.

No. 921/2 series furnished with 8 inches of No. P83, steel plated chain.

No. 931/2 series furnished with 8 inches of No. 83, brass chain.

†Clearance is distance from top of lock case to underside of shackle.

Illustrations
Full Size

PADLOCK CHAINS



No. P82—Steel Plated. No. 82—Brass. For Round Shackles 9_{52} to 516 Inch Diameter

This type Padlock Chain is for attaching to round wire padlock shackles without the necessity of drilling and riveting them to the shackles. All chains are 8 inches long.

The chain and clevis are supplied assembled and may be easily applied to the padlock by slipping the clevis over the toe end of the shackle to the normal position after which the clevis is



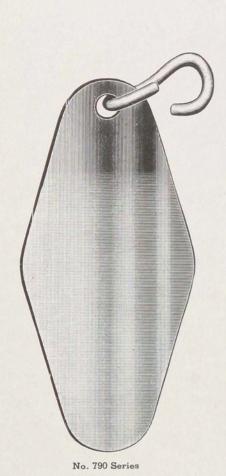
No. P83—Steel Plated. No. 83—Brass. For Round Shackles 11 / $_{2}$ to 3 / $_{8}$ Inch Diameter

closed in by a pair of pliers, to prevent it slipping around the bend of the shackle.

This style clevis and chain will be applied to padlocks when ordered with chain, also the complete chains are carried in stock for sale to our customers.

Packed I dozen in a box.

KEY TAGS

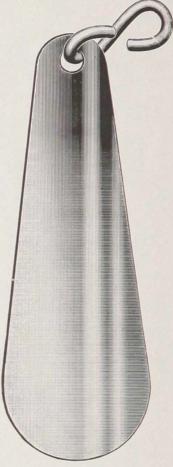




No. 795 Series







No. 791 Series

Number	Size, Inches	Material	Description
790B	3½x15/8	Bright Dipped Brass	With letters and numbers, stamped, sunk and filled in black
790A	3½x15/8	Aluminum	With letters and numbers, stamped, sunk and filled in black
790BL	3½x15/8	Black Fibre	With letters and numbers, stamped, sunk and filled in black
790 G	3½x15/8	Grey Fibre	With letters and numbers, stamped, sunk and filled in black
790R	3½x15/8	Red Fibre	With letters and numbers, stamped, sunk and filled in black
791B	4 xl3/8	Bright Dipped Brass	With letters and numbers, stamped, sunk and filled in black
791A	4 xl3/8	Aluminum	With letters and numbers, stamped, sunk and filled in black
791BL	4 xl3/8	Black Fibre	With letters and numbers, stamped, sunk and filled in black
791G	4 xl3/8	Grey Fibre	With letters and numbers, stamped, sunk and filled in black
791R	4 xl3/8	Red Fibre	With letters and numbers, stamped, sunk and filled in black
N795B	l Dia.	Bright Dipped	With letters and numbers, stamped, sunk and filled in black
N795A	l Dia.	Aluminum	With letters and numbers, stamped, sunk and filled in black
N795BL	l Dia.	Black Fibre	With letters and numbers, stamped, sunk and filled in black
N795G	l Dia.	Grey Fibre	With letters and numbers, stamped, sunk and filled in black
N795R	l Dia.	Red Fibre	With letters and numbers, stamped, sunk and filled in black
*795B	l Dia.	Bright Dipped Brass	Plain, without letters or numbers—attachment links separate
*795A	l Dia.	Aluminum	Plain, without letters or numbers—attachment links separate
N796B	l xl	Bright Dipped Brass	With letters and numbers, stamped, sunk and filled in black
N796A	l xl	Aluminum	With letters and numbers, stamped, sunk and filled in black
N796BL	l xl	Black Fibre	With letters and numbers, stamped, sunk and filled in black
N796G	l xl	Grey Fibre	With letters and numbers, stamped, sunk and filled in black
N796R	l xl	Red Fibre	With letters and numbers, stamped, sunk and filled in black
*796B	l xl	Bright Dipped Brass	Plain, without letters or numbers—attachment links separate
*796 A	l xl	Aluminum	Plain, without letters or numbers—attachment links separate

^{*}Nos. 795B, 795A, 796B and 796A are furnished with attachment links packed separate to make it easier to stamp. If no attachment links are required, deduct.

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KEY AND KEYING INFORMATION

LOCK AND KEYING INFORMATION



Flat Key for Lever Tumbler Locks



Bitted Key for Lever Tumbler Lock



Key for Cylinder Locks

The advantages and convenience of master-keyed lock systems are fully recognized by the public; and consequently are now used on all types of buildings. The individual of many holdings realizes the great convenience of carrying one key only which will enable him to operate all locks in his place of business, residence, country home, summer home and other places under his control.

The information below is a general guide as to the adaptability of various lock constructions for master-keying purposes; a statement of the functions of various keys; and a brief outline of some typical master-keyed arrangements.

- Cylinder Pin Tumbler Locks are strongly recommended for use when master-keying is desired, whether it be a simple or an intricate system. Mortise locks, rim locks, night latches, padlocks and cabinet locks may all be controlled by one master key. The many possible key changes and great security of the Cylinder Pin Tumbler Lock makes possible the accomplishment of almost any master key arrangement.
- Lever Tumbler (Secure Lever) Locks of many types are suitable for master key work and certain types of locks are adapted for use in hotels. These are clearly defined in the lock sections.
- Warded Locks are not suitable for master key work because of the limited key changes.
- Change Key or Guest Key will operate an individual lock only and is the key furnished with the lock. When furnished with hotel locks it is stamped "Guest" when so ordered.
- Master Key or Maid's Key will operate a group of locks, each lock keyed differently and having an individual change key, but all subject to one key known as the master key. When furnished with hotel locks it is usually stamped "Maid's" and usually controls the locks on one floor only.
- Grand Master Key or Housekeeper's Key will operate two or more groups, each lock keyed differently and having individual change keys; but each group subject to a different master key, and all subject to one key known as the grand master key. When furnished with hotel locks it is usually stamped "Housekeeper's" and controls locks to all rooms and all other locks so specified.

- Emergency Key This key is used for hotel systems and will operate all room locks at all times. It is held by the management for use should emergency entrance to rooms become necessary.
- Display Key This key is used in hotels for display and sample rooms, where valuable samples are kept and the tenant does not wish anyone to enter the room. It shuts out the guest's, maid's and housekeeper's keys so that they will not operate but does not shut out the emergency key.
- Shut-Out Key This key is for use in hotels and apartment buildings and shuts out all keys so that none will operate, except the emergency key. It is used by the management to shut out guests or tenants who are delinquent in their accounts, etc.
- Apartment Building System Each tenant's change key will operate the main and rear entrance doors, but will not operate other locks. The keys for the entrance doors, however, will not operate the locks to any of the apartments.
- Apartment Building Master System Operation the same as Apartment Building System with the addition of a master key opening all locks.
- Hotel Closets should be subject to the same change or guest key that operates the corridor door, but should not be subject to the maid's or housekeeper's key. This permits tenant to lock valuables in closet with security.
- Keyed Alike Locks Locks are all keyed alike and all keys will interchange, each opening all locks. When ordering, specify how many keys required.
- All master-keyed locks must be manufactured after ordered, as special construction is required in the locks or cylinders. It is not possible for us to furnish master keys for regular stock locks.

MASTER KEY RECORDS

A record is kept by us of the keys used in every important installation of master-keyed locks. This is necessary, because without it we should be unable afterwards to make additions to a series without danger of unintentional duplication of keys, and because without it there would be great danger that a master key furnished to one customer might control some or all of the locks furnished to another customer in the same locality. To maintain unimpaired the protection thus assured to our customers, we have always made it a rule to decline to accept orders for master keys unless informed as to the name and location of the building and the person by whom they are to be used. This information is, of course, treated as strictly confidential.

SUGGESTIONS FOR MASTER-KEYED LOCKS

Orders involving master-keyed locks should be accompanied with complete master key information, including approximate extension of later additions, if any are contemplated, so that allowance can be made in planning the system.

A system once started cannot be rearranged without complete reconstruction of the locks or cylinders and should the locks have been shipped they would have to be returned, unless some local locksmith undertook the adjustment; this is very unsatisfactory, because the factory records would in such a case be useless for additions of future requirements.

A complete record is kept of all key change numbers on master key construction, thereby eliminating any chance of duplication of change keys or master key systems. Change keys or master keys may be ordered by number, if an authorization, by owner, is sent with the order.

Master key instructions and the quantity of master keys required should be at the beginning of the order and each lock listed should be lettered to correspond to the letter designating the master key to which it is to be subject.

Suffix the Symbol ''MK'' for Master-keyed Locks.
Suffix the Symbol ''GMK'' for Grand Master-keyed Locks.
Suffix the Symbol ''KA'' for Keyed Alike Locks.
Suffix the Symbol ''KAMK'' for Keyed Alike Locks and also subject to a Master key.

Master key systems and divisions thereof should be identified by letter symbols such as:

Locksets "A" to be subject to Master key "A".

Locksets "B" to be subject to Master key "B".

Locksets "C" to be subject to Master key "C".

Locksets "A," "B" and "C" to be subject to Grand Master key "D".

Locksets "E" to be keyed alike and subject to Grand Master key "D".

RESIDENCES

Locksets on residences with a limited number of doors usually have all the exterior cylinder locks and the garage locks keyed alike in one set.

Mansions are usually arranged so that the keys of the main entrance lock act as master key on all cylinder locks used, or the main entrance lock is furnished with regular change keys and all cylinder locks subject to a master key and grand master key. It is also desirable to have all bit key locks subject to a bit key master key.

Specify as Follows

```
All Cylinder Locks keyed alike in one set.
           or
```

Main Entrance Door, Lockset "A." Grade, Rear Entrance and Garage Door, Locksets "B." All Locksets keyed differently. Locksets "B" to be subject to keys of Lockset "A."

Specify Mansion as Follows

```
Cylinder Locks, Main Section, Set "A" (Figure Grand Master-keyed Price).
Cylinder Locks, Service Section, Set "B" (Figure Grand Master-keyed Price).
Cylinder Locks, Chauffeur's Section, Set "C" (Figure Grand Master-keyed Price).
Cylinder Locks, Housemen's Section, Set "D" (Figure Grand Master-keyed Price).
Bit Key Locks, Main Section, Set "E" (Figure Grand Master-keyed Price).
Bit Key Locks, Service Section, Set "F" (Figure Grand Master-keyed Price).
Padlocks, Window Grills, Set "G" (Figure Master-keyed Price).
Padlocks, Gates, Set "H."
Basement Entrance to be subject to Key "C."
 Basement Entrance to be subject to Key "C."

All Locks to be keyed differently unless otherwise specified.

All Locks in Set "A" to be subject to Master key "A."

All Locks in Set "B" to be subject to Master key "B."

All Locks in Set "C" to be subject to Master key "C."

All Locks in Set "D" to be subject to Master key "D."

All Locks in Set "G" to be keyed alike and subject to Grand Master keys.

All Locks in Set "H" to be keyed alike but differently than "G" and subject to Grand Master key.

All Locks in Set "E" to be subject to a Master key "E."

All Locks in Set "F" to be subject to a Master key "F."

Basement Entrance to be subject to Keys of Set "C" and "D."

Sets "A", "B", "C", "D", "G" and "H" to be subject to a Grand Master key.

Sets "E" and "F" to be subject to a Grand Master key.
    Basement Entrance to be subject to Key "C."
```

If the main entrance keys are to act as grand master keys the same procedure is followed as above.

```
Specify quantity of Change Keys to be furnished with Keyed Alike Locks. Specify quantity of Master keys.
```

SUGGESTIONS FOR MASTER-KEYED LOCKS, Cont.

APARTMENT DWELLINGS

Apartment dwellings usually have the exterior door locks subject to all apartment lock keys, so that tenant carries only one key.

Specify as Follows

Exterior Entrance Doors, Set "A."

Apartment Entrance Doors, Set "B."

Rear Doors to Apartments, Set "C."

All Locks Set "A" to be keyed alike in one set.

All Locks Set "A" to be subject to all keys of "B". All Locks Set "B" to be keyed differently.

All Locks Sets "B" and "C" to be keyed alike for each apartment.

All Locks Sets "A", "B" and "C" to be subject to a Master key.

FACTORIES

Factories usually have the office building locks subject to a master key, the factory locks to a master key different from the office master key, the gate locks keyed alike, tool cribs keyed differently, and all subject to a grand master key. Before entering an order for this type of construction you should have a very clear understanding of the requirements. Locks suitable for manufacturing plant layouts are illustrated on Page 401. Also please refer to Page 402 for factory master key plan.

OFFICE BUILDINGS

Owners of office buildings usually anticipate future additions; so some information should be secured relative to the extent of possible additions, in order that allowance may be made in charting the master key layout.

All locks to be keyed differently unless otherwise specified.

All locks on each floor to be subject to a separate floor master key unless otherwise specified.

All locks in building to be subject to a grand master key unless otherwise specified.

All janitor's closet locks on each floor subject to floor master key, janitor's master key and engineer's master key. Locks of men's toilets keyed alike on each floor, subject to the janitor's master key, floor master key, engineer's master key and to all keys of office entrance locks on respective floors. Locks of women's toilets should be keyed alike on each floor subject to floor master key, janitor's master key, engineer's master key and to required number of change keys to take care of tenants.

Pipe shafts should all be keyed alike in one group, subject to engineer's master key and grand master key.

Electric cabinets should all be keyed alike in one group subject to electrician's master key and grand master key.

If there are any stores they should not be subject to any master keys. Any locks not to be subject to any master keys should have notation after each set, "Not master-keyed."

HOTELS

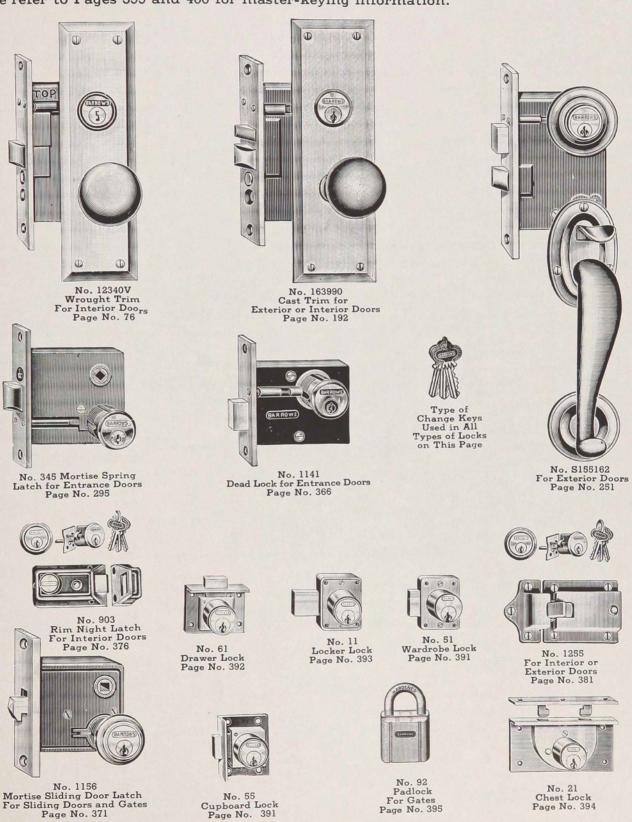
The master key specification is very similar to office master key systems with the addition of the emergency, shut out, display and housekeeper's keys.

COLLEGES HOSPITALS AND ASYLUMS

The master key systems on colleges, hospitals and asylums vary so greatly that a very clear understanding should be reached with the architect as to what is desired. If you are unable to secure complete information, please request our assistance.

MASTER KEYING GROUPS OF LOCKS AND LOCKSETS

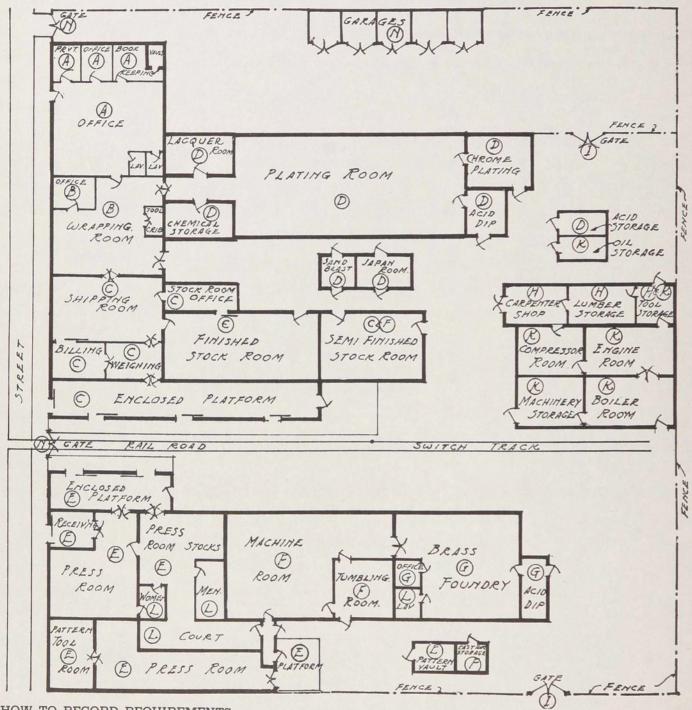
The Locks and Locksets illustrated below suggest the many different types possible to include under one master key which will control all of them in one group and each operated by a change key which will not interchange with any of the other locks. Please refer to Pages 399 and 400 for master-keying information.



Cupboard Lock Page No. 391

HOW TO PLAN A MASTER KEY SYSTEM

DIVIDE BUILDINGS INTO GROUPS AS SUGGESTED BELOW



HOW TO RECORD REQUIREMENTS

One Sub-Master Key to operate all locks.
One Sub-Master Key to operate Group A. Allow for 25 future locks.
One Sub-Master Key to operate Group B. Allow for 25 future locks.
One Sub-Master Key to operate Group C. Allow for 50 future locks.
One Sub-Master Key to operate Group D. Allow for 50 future locks. One Sub-Master Key to operate Group E. One Sub-Master Key to operate Group F. Allow for 25 future locks. Allow for 25 future locks. One Sub-Master Key to operate Group F. Allow for 25 future locks. One Sub-Master Key to operate Group H. Allow for 25 future locks. One Sub-Master Key to operate Group I. Allow for 25 future locks. One Sub-Master Key to operate Group I. Allow for 25 future locks. One Sub-Master Key to operate Group K. Allow for 25 future locks. One Sub-Master Key to operate Group L. Allow for 50 future locks. One Sub-Master Key to operate Group N. Allow for 50 future locks.

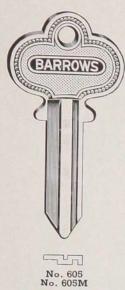
Allow for 4 additional future groups with approximately 50 locks each.

All locks subject to a Grand Master Key, usually carried by executives.

Each group subject to a Sub-Master Key, with each lock keyed differently, and each group subject to a Sub-Master Key which will not operate any other group. Usually carried for foreman.

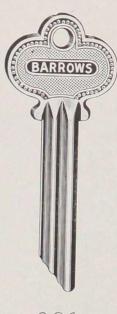
Each lock subject to individual change keys which will operate only one lock. Usually carried by employees, if given any keys.

KEY **BLANKS**









No. 615 No. 615M

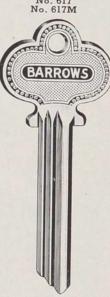
No. 616 No. 616M

No. 617 No. 617M









No. 606 No. 606M

No. 635 No. 635M

No. 636 No. 636M

No. 637 No. 637M

Number	Class	Cylinder	For Cylinders
605 605M 606 606M 615 615M 616 616M 617 617M 635 635M 636 636M 637	OE OEM OE OEM EE EEM EE EEM EE EEM E EM E EM E EM E	5 Pin 5 Pin 5 Pin 5 Pin 5 Pin 5 Pin 6 Pin 6 Pin 6 Pin 5 Pin 6 Pin 6 Pin 6 Pin 6 Pin 6 Pin 6 Pin 6 Pin 6 Pin 6 Pin	Change Key—Old Style Master Key—Old Style Change Key—Old Style Master Key—Old Style Change Key—New Style Master Key—New Style Change Key—New Style Long Key—New Style Long Key—New Style Long Key—Old Style Master Key—Old Style Master Key—Old Style Long Key—Old Style Master Key—Old Style Long Key—Old Style

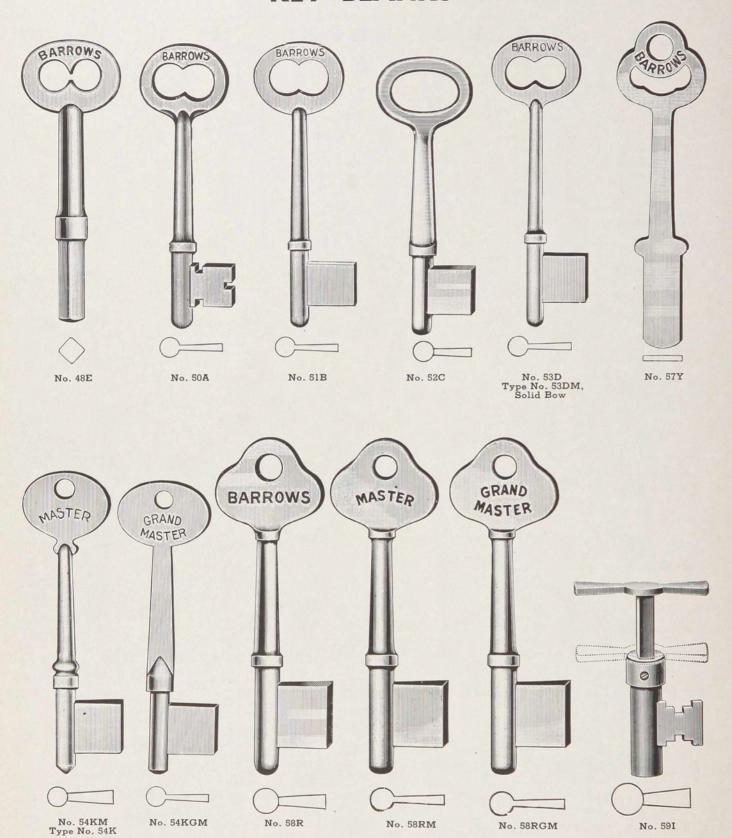
Packed ¼ gross in a box.

Cross section of these keys is determined by looking down the key from the bow end.

Master keys are stamped "Master" on bow.

The bows of any above keys may be stamped, Maid's, Housekeeper, Emergency, Display, Shut Out or Grand Master Key by specifying. We will furnish Key Class EE on all cylinder locks unless otherwise specified.

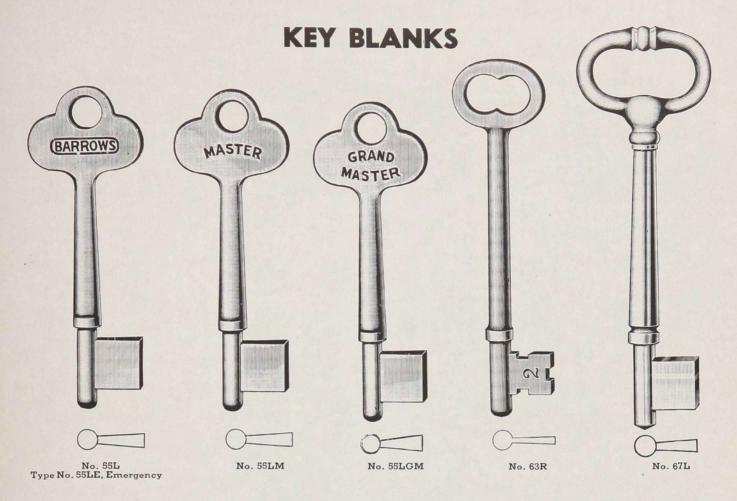
KEY BLANKS



See Page No. 405 for list of locks that these blanks operate.

No. 53DM has same bow as 54KM.

No. 54K has same bow as 53D.

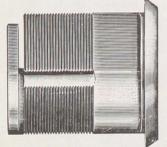


Specify Change Number When Ordering Cut Keys

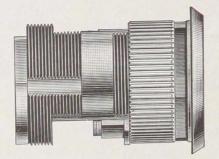
		Spe	city Change Number When Ordering Cut Keys
Number	Class	Material	For Locks
48E 50A 51B 52C 53DM 53D	E A B C D D	Cast Iron Cast Iron Steel Steel Steel Steel	P637, 827, 837, 877, 877R and 937 P601 141, P141, 143, P143, 421, P421, 421R, P421R, 421RS, P421RS, P621 and 801 Discontinued Lock Nos. P613, 813, 821 and 823 P623, P623M, 803 and 803M 261, 451, 451V, 461, P461, 461V, P461V, P631, 831, 831R, 841, 851, 921, 1161, 1221 and 1261
54K 54KM 54KGM 55L	KM KM KGM L	Steel } Steel } Steel } Steel } Steel	Discontinued Lock Nos. 831, 833, 851, 853, 861, 863, 871, 873 and 1161 263, 423, 423M, 423R, 423RM, 463, P463, 453, 453V, 523, 523M, 523R, 523RM, 523RS, 574, P633, P633M, 703, 703M, 833, 833M, 833R, 843, 853, 853M, 873, 873M, 873R, 873RM, 883, 883M, 923, 923M, 943, 943M, 953, 953M, 953H, 953HM, 963, 963M, 963¼, 963¼M, 893, 893M, 973, 983, 1103, 1103M, 1163, 1163M, 1223, 1223M, 1263 and 1263M
55 LE 55 LM	LE LM	Steel Steel	574 423M, 423RM, 523M, 523RM, 574M, R633M, 703M, 833M, 833RM, 843M, 853M, 873M, 873RM, 893M, 923M, 943M, 953M, 953HM, 963M, 963¼M, 943M, 973M,
55LGM	LGM		423GM, 423RGM, 523GM, 523RGM, 574GM, P633GM, 703GM, 883GM, 833RGM, 843GM, 853GM, 873RGM, 893GM, 883RGM, 923GM, 943GM, 953GM, 953HGM, 963GM, 9631/4GM, 973GM, 983GM, 993GM, 1103GM, 1123GM and 1263GM
57Y 58R 58RD 58RE 58RE 58RM 58RGM	R RD RE RM RGM	Steel Steel Steel	114, 114R, P114, P114R, 1150 and 1150R 804, 814, 855, 855DK, 855EK, 924, 934, 955, 955DK and 955EK 855DK and 955DK 855EK and 955EK 804M, 814M, 855M, 855EM, 924M, 934M, 955M, 955DM and 955EM 804GM, 914GM, 855GM, 855DGM, 855EGM, 924GM, 934GM, 955GM, 955GGM and 955EGM
59I 63R 67L	I R L	Bronze Cast Iron Bronze	and 955EGM 532, 0532, P532, 533, 0533, P533 and 534 940, 940RB, 941, 941RB, 944, 944RB, 945, 945RB and 954 For all Locks using key class L, LM, LGM and LE.

Packed 1/4 gross in a box

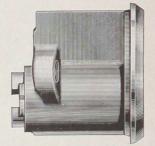
CYLINDERS



Side View of Nos. 5, 6, 8 and 9 Mortise Lock Cylinders No. 9 Has Double Cam



Side View of No. 7 Adjustable Mortise Lock Cylinder—Extended



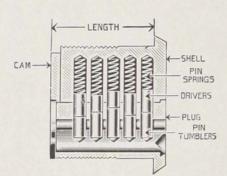
Side View of No. 10 Rim Lock Cylinder



Front View Nos. 5, 6, 7, 9 and 10



Dust Guard for All Cylinders



Side View Nos. 5, 6, 7, 8 and 9 Cut Open No. 9 Has Double Cam



Cylinder



Rear View No. 15A Dummy Cylinder



Side View Nos. 15 and 15A Dummy Cylinder



Rear View Nos. 5, 7 and 8 Cylinder



Rear View No. 9 Double Cam Cylinder



Rear View No. 6 Cylinder



Cut Open View of No. 8 Shut Out Cylinder

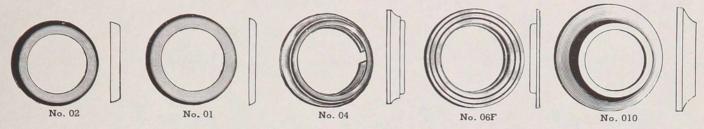
		Size				
Number	Diameter Length Inches		Material	Description		
5 *6	1 ½8 1 ½8	1, 11/8, 11/4, 13/8, 11/2 and 13/4 1, 11/8, 11/4, 13/8, 11/2 and 13/4	Cast Bronze Cast Bronze	Standard for mortise locks. Mortise lock cylinder for locks having 1 inch throw dead bolts.		
*8	1 ½8 1 ½8	1½ to 1½ 1, 1½, 1¼, 1¾, 1½ and 1¾	Cast Bronze Cast Bronze	Adjustable mortise lock cylinder. Mortise lock cylinder with shut out feature. Regular change key operates vertical set of pins. Shutout key sets plug on angle set of pins and locks out regular change keys.		
9	1 1/8	1, 11/8, 11/4, 13/8, 11/2 and 13/4	Cast Bronze	For hotel locks Nos. 554, 555, 554N, and 555N		
10 15 15A	1 ½8 1 ½8 1 ½8		Cast Bronze Cast Bronze Cast Bronze	Standard for rim locks. Dummy cylinder, attached with flanges. Dummy cylinder, attached with flanges and		

^{*}Specify Length, or Thickness of door and lock trimming used; also can be furnished in lengths from 1 1/8 to 3 1/2 inches at additional price. Specify if dust guards are required by prefixing letter "D" to Number.

All cylinders master keyed at additional price. Key Class 615EE will be furnished regularly unless otherwise specified. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CYLINDER RINGS

REGULAR



SPECIAL

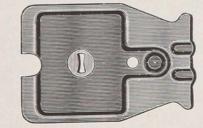


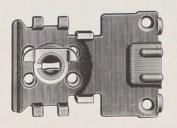
		SIZE			
Number	Outside Diameter Inches	Inside Diameter Inches	Thickness	Material	Description
01 02 *03 †04 05 06F 06R 07 08 09	1 5/8 1 1/2 1 3/8 1 3/4 1 1/3 1/6 1 7/8 1 1/2 1 1/2 1 7/8	13/6 13/6 13/6 13/6 13/6 13/6 13/6 13/6	1/8 3/16 1/8 1/4, 3/16, 5/16 1/2 1/16 3/8 1/4 5/16 3/16 3/16 3/16 3/16	Wrought Bronze Wrought Bronze Wrought Bronze Wrought Bronze Cast Bronze Wrought Bronze Wrought Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze	Regular for standard cylinders Regular for standard cylinders Special, for standard cylinders Regular, spring ring for standard cylinders Special, for standard cylinders Regular, counter-sunk for standard rim cylinders Special, for standard rim cylinders Special, for standard cylinders

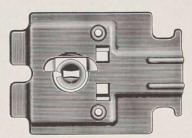
^{*}No. 3 can be furnished, other lengths to order.

RIM LATCH PARTS









No. 20 False back

No. 21 Back plate

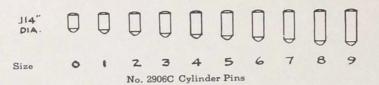
No. 22 Back plate

No. 23 Back plate

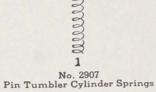
Number	Size, Inches	Material	Description
20	1 7/8x1 1/2	Wrought Steel	False back for rim latches Nos. 903 and 904 Back plate for rim latches Nos. 903 and 904 Back plate for rim latches Nos. 901 and 902 Back plate for rim latches Nos. 914
21	2 1/4x3 1/4	Wrought Steel	
22	2 x3	Wrought Steel	
23	2 3/8x3 1/4	Wrought Steel	

[†]Specify thickness. Specify number and finish. Refer to Page No. 36 for description of finishes.

REPAIR PARTS





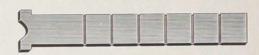












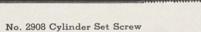
No. 2901C Cam

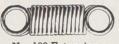
No. 2902C Retainer

No. 2902D Connecting Bar









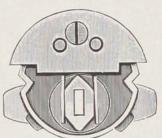
No. 130 Extension Spring

No. 125 Compression Spring



Nos. 120, 122, 124 and 132 Flat Lock Spring







No. 2910 No. 2909 Turn Knob Discs for Cylinder Locks

Description

Number	Size, Inches	Material	
*120	1/8x36	.020 Steel	Flat lock sprin
*122	³ / ₁₆ x36	.020 Steel	Flat lock sprin
*124	1/4×36	.025 Steel	Flat lock sprin
132	1/8x36	.032 Steel	Flat lock sprin
*125	1/4x36	Brass	Coiled compre
*130	9/32X 5/8X 1 1/8	Brass	Coiled extensi
2901C	1x5/8	Wrought Bronze	Cam, plate and
2902C	5/8x3/8	Wrought Bronze	Retainer for No
2902D	2½x5/16	Steel	Connecting ba
2902E	3/6x12-24x2	Steel	Connecting sc
2904C	lx5/8	Wrought Bronze	Cam, and scre has a dead l
†2906C	.114 Diameter	German Silver	Cylinder pins
†2906MD	.114 Diameter	Bronze	Mushroom dri

*120	½x36	.020 Steel	Flat lock springs
*122	³ / ₁₆ x36	.020 Steel	Flat lock springs
*124	1/4×36	.025 Steel	Flat lock springs
132	1/8x36	.032 Steel	Flat lock springs
*125	1/4x36	Brass	Coiled compression spring
*130	9/32x 5/8x l 1/8	Brass	Coiled extension spring
2901C	1x5/8	Wrought Bronze	Cam, plate and screws for No. 5 mortise lock cylinder
2902C	5/8x3/8	Wrought Bronze	Retainer for No. 10 rim lock cylinder
2902D	2 ½ x ⁵ / ₁₆	Šteel	Connecting bar for No. 10 rim lock cylinder
2902E	³ / ₁₆ x12-24x2	Steel	Connecting screw for No. 10 rim lock cylinder
2904C	1x5/8	Wrought Bronze	Cam, and screws, for No. 6 mortise lock cylinders where lock
			has a dead bolt throw of 1 inch
†2906C	.114 Diameter	German Silver	Cylinder pins for all standard cylinders
†2906MD	.114 Diameter	Bronze	Mushroom drivers for all standard cylinders
2906MK	.114 Diameter	Bronze	Discs for master-keying all standard cylinders
2907	5/8x ³ / ₃₂	Brass	Pin tumbler cylinder springs
‡2908	1/8x8-32x2 and 23/8	Bronze	Cylinder set screws for mortise locks
2909		Cast Bronze	Turn knob discs for locks made prior to year of 1930
2910		Cast Bronze	Turn knob discs for standard mortise locks

^{*}Springs can be cut to specified length by so ordering.

[†]Specify number and size.

[‡]Specify number and length.

LOCK AND LATCH STRIKES

FOR RIM LOCKS AND LATCHES



Type A5



Type Al0



Type A20



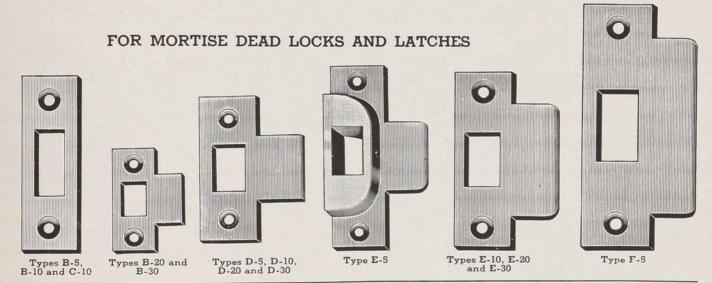
Type A30



Type A-4
Type A-5

Туре	Size Inches	Material	For Rim Locks and Latches Number
A-5 A-10 A-20	2½x ½x2 2¾x1 x2 2¼x1⅓	Cast Iron Cast Iron Wrought Steel	903, 904, 905, 906, 914, 915, 916 and 917 901, 902, 909, 912 and 913 901, 902, 903, 904, 905, 906, 909, 910, 912, 913, 914, 915, 916 and 917
A-30 A-40 A-50	25/8x1 33/8x 3/4 4 x 3/4	Cast Iron Cast Iron Cast Iron	950, 952 and 956 944 and 945 940 and 941

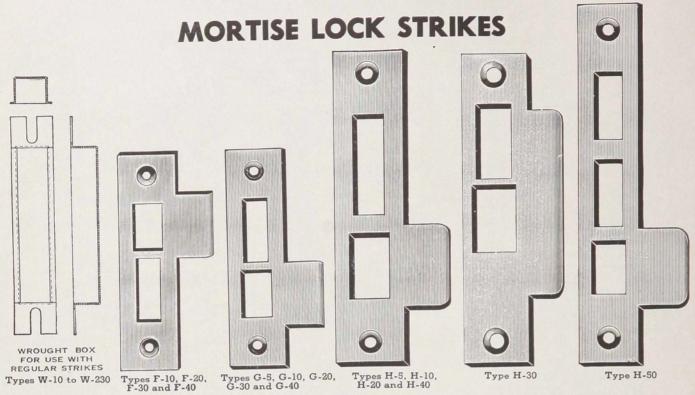
Packed 1 dozen in a box, with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Туре	Size Inches	Length of Lip from Center of Opening Inches		For Mortise Locks and Latches Number	Use Wrought Box Number
B-5 B-10 B-20 B-30 C-10 D-5	3 ½ x l 3 ½ x l ½ 2 x 3¼ 2 x 3¼ 5 x l ½ 2 ¾ x l ½	7/8	Cast Bronze Cast Bronze Wrought Bronze Wrought Steel Cast Bronze Wrought Bronze	1131, 1141 and 1150 1261, 1271, 1281 and 1294 200 P200 1121 and 1251 177V, 226, 273, 275, 340V, 347, 540V and 871	W-20 W-40 W-10 W-10 W-130 W-20
D-10 D-20 D-30 E-5 E-10 E-20 E-30 F-5	$2\frac{3}{4}$ xl 1 /16 $2\frac{3}{4}$ xl 1 /16 $2\frac{29}{22}$ xl 1 /16 $3\frac{3}{5}$ xxl 1 /8 $4\frac{3}{16}$ xl 1 /8 $4\frac{5}{16}$ xl 3 /16 $4\frac{19}{22}$ xl 5 /16 $4\frac{5}{8}$ xl 5 /16	1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½	Wrought Bronze Wrought Steel Cast Bronze	461V P461V 345 963 290 and 281 860 and 953 241, 890V, 992, 980, 981, 985 and 986 9890V	W-20 W-20 W-20 W-120 None W-110 None None

Packed 1 dozen in a box, with screws. Specify if to be furnished with wrought box, at additional price.

Specify Number and Finish. Refer to Page No. 36 for description of finishes. Refer to Page No. 411 for method of measuring.



MORTISE LOCK STRIKES

Туре	Size Inches	Length of Lip from Center of Opening Inches		For Mortise Locks Number	Use Wrought Box Number
F-10 F-20 F-30 F-40 G-5 G-10 G-20 G-30 G-40 H-5 H-10 H-20 H-30	35/16x 78 35/16x 78 39/16x 78 39/16x 15/16 4 xl 4 xl 41/16xl 1/16 43/8xl 1/8 41/2xl 1/4 41/2xl 1/4 45/8xl 1/8 45/8xl 1/8 43/4xl 1/4 53/4xl 1/4 611/16xl 1/8	15/6 15/6 11/6 11/6 11/4 11/4 11/4 11/4 15/8 15/8 13/8 13/8 13/8 13/8 11/2	Wrought Bronze Wrought Steel Wrought Bronze Wrought Bronze Wrought Bronze Wrought Steel Wrought Bronze Cast Bronze Cast Bronze Wrought Steel Cast Bronze	421, 801 and 837 P421, P427, P601, P621 and P637 831, 931, 827 and 977 851, 873, 877, 987, 973, 574, 914 and 924 461, 141 P461, P141 867, 177 and 340 163, 164 162 114 P114 172, 890, 891, 892 9891, 9892 855, 855DK, 855EK, 955, 955DK, 955EK	W-30 W-30 W-40 W-50 W-50 W-50 W-150 W-190 W-190 W-190 W-190 W-100 None

Packed 1 dozen in a box, with screws. Specify if to be furnished with wrought box, at additional price. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

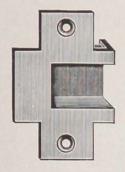
WROUGHT BOXES FOR APPLICATION TO REGULAR FLAT STRIKES

		Size of Box			For Strikes of Locks and Latches
Туре	Length Inches	Width Inches	Depth Inches	Material	Number
W-10 W-20	15/16 13/8	11/16 13/16	9/16	Wrought Brass Wrought Brass	200, P203, 204, P200, 220, 1221 213, 226, 345, 273, 275, 461V, P461V, 177V, 169, 540V, 340V, 871V, 347 and 1131
W-30 W-40 W-50	$\begin{array}{c} 2^{5}/_{16} \\ 2^{5}/_{16} \\ 2^{5}/_{16} \end{array}$	13/16 13/16 13/16	9/16 9/16 9/16	Wrought Brass Wrought Brass Wrought Brass	P421, P427, 421, 427, P601, 801, P621, 837, P637 P631, 831, 827, 977, 1161, 1261, 1271, 1281, 931 851, 873, 877, 987, 973, 574, 914, 924, 561, P461, 141, P141
W-60 W-90 W-100 W-110 W-120 W-130 W-140 W-150 W-190 W-200 W-230	35/16 35/16 3 17/16 17/16 27/8 27/8 211/16 31/16 3 41/16	13/6 13/6 78 13/6 13/6 13/6 13/6 13/6 13/6 13/6 13/6	9/16 9/16 1 3/4 3/4 1 1 1 1 9/16 3/4 7/16 11/16	Wrought Brass	893, 445, 681V 703, 934, 162, 163, 164, 1291 172, 492, 493, 495, 890, 891, 892 860, 953 943, 963 1251 167, 350 867, 177, 340 114, P114 841, 983 490, 491

Specify Number. Packed 1 dozen in a box.

SPECIAL STRIKES

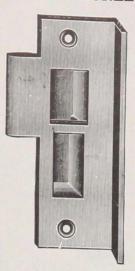
CAST BRONZE



Type 1B-Box

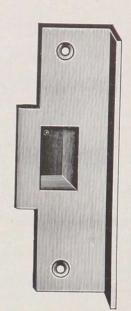
Open back strike for use Open back strike for use on pairs of doors open-ing out. The open back strike permits the open-ing or closing of the active door before the inactive door, thereby protecting latch bolt from damage.

Reversible. Specify thickness of door.



Type 2PB—Protected Box

For two bolt locks. Not reversible. Specify hand and thickness of door.

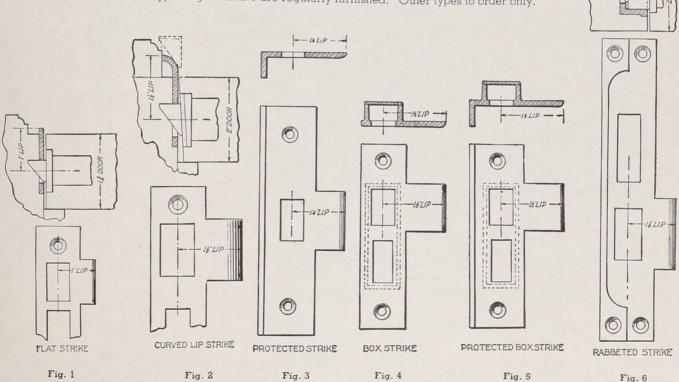


Type 3PB—Protected Box For latches with stops in face. Reversible. Specify thickness of door.

Specify Lock Number and Finish. Refer to Page No. 36 for description of finishes.

TYPES OF LOCK STRIKES

Types Figs. 1 and 6 are regularly furnished. Other types to order only.



METHOD OF MEASURING

Figs. 1, 4 and 6: Measure from center of door and add sufficient (usually 1/8 inch) to protect woodwork from action of latch bolt. Fig. 2: Measure full thickness of door and furnish sketch of jamb to obtain proper curve to protect woodwork. Figs. 3 and 5: Measure full thickness of door, and from center to face add sufficient to protect woodwork. NOTE—Hand of door must always be specified for all types except Fig. 1.

Fig. 6

Fig. 5

KNOB PARTS











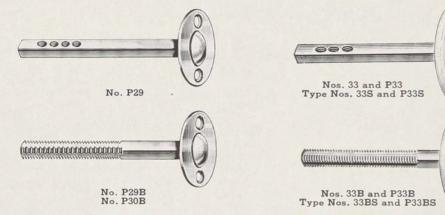




Number	Size, Inches	Description	Material
1 2 5 25 26 *27 †70	.032-19/22x13/32 3/8x9/24 9/22x9/32-32 13/8" 11/4x3/8	Washer for Standard Mounting Screw for Standard Mounting Screw for Model B or C Mounting Plate for holding knob rigid 1/16 inch spindle Auxiliary spring for levers Spindle nut for 1/16 or 1/16 inch spindle Indicator for hotel locks	Steel Steel Steel Bronze Bronze Bronze Bronze

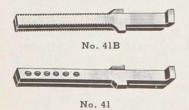
^{*}Specify size of spindle and Finish. Packed Nos. 26, 27 and 70, one dozen in a box. All other numbers, one gross in a box. †Specify finish.

CLOSET SPINDLES



Number	Size, Inches	Mounting	Material		
rumbor	5.50, 1.101.00	radining	Turn or Head	Rose	Spindle
P29 P29B P30B 33 P33 33S P33S 33B P33B 33BS P33BS	5/6x2½ 5/6x2½ 5/6x3 5/6x2½ 5/6x2½ 5/6x2½ 5/6x3 5/6x3 5/6x3 5/6x3 5/6x2½ 5/6x2½ 5/6x3	Standard C C Standard Standard Standard C C C C C C C	Wrought Steel Wrought Steel Wrought Steel Cast Bronze Cast Iron	Wrought Steel Wrought Steel Wrought Steel Wrought Bronze Wrought Bronze Wrought Steel Wrought Bronze Wrought Bronze Wrought Steel Wrought Steel Wrought Steel Wrought Steel	Steel

Packed 1 dozen in a box, with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes. Mounting "C" Spindles have U. S. 20 threads. Standard Spindles are tapped and threaded for U.S. 9/24.



SPLIT SP	INDLE
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Size, Inches	Mounting	Description	Material
41 5/16x35/8 41B 5/16x35/8		For Knob Operating Lock from One Side Only For Knob Operating Lock from	Steel
	5/ ₁₆ x35/8	5/6x35/8 Standard	5/6x35/8 Standard For Knob Operating Lock from One Side Only

Packed I dozen in a box. Specify Number.

KNOB SPINDLES



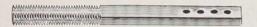
No. 100, Standard Type No. 101, Standard Type No. 102, Standard Type No. 103, Standard



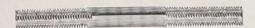
No. 109, Combination Type No. 110, Combination



No. 111, Combination



No. 120, Model A Type No. 130, Model B



No. 140, Model C Type No. 141, Model C Type No. 142, Model C



No. 260, Model C



No. 203, Standard Type No. 204, Standard



No. 209, Combination Type No. 210, Combination



No. 211, Combination Type No.212, Combination



No. 220, Model A Type No. 230, Model B



No. 240, Model C Type No. 242, Model C



No. 251. Combination

5/16 Inch-Square

Number	Туре	Length	Mounting	For Knobs	Material
*100 *101 102 103 109 110 111 120 130 140 *141 142 203 204 209 210 211 212 220 230 240 242 251 260	Straight Swivel	33% Inches 35% Inches 35% Inches 4½ Inches 33% Inches 4½ Inches 5½ Inches 5½ Inches 33% Inches 4½ Inches 4½ Inches 4½ Inches 4½ Inches 4½ Inches 5 Inches	Standard Standard Standard Standard Combination Standard and Model C A B C C C Standard Standard Standard Combination Standard A B C C C C Standard Standard Combination Standard and Model C A B C C C C C C C C C C C C C C C C C	Metal Metal Glass Metal Glass Metal Metal or Glass Metal Metal Glass Metal Metal Glass Metal Metal Glass Metal Glass Metal Glass Metal Glass Metal Glass Metal Glass Metal Glass Metal	Wrought Steel

Packed 3 dozen in a box.

Spindles tapped for side knob screws 9-24. Spindles threaded for knob shanks have US20 thread.

*No. 100 used with metal knob and lever for mortise screen door sets.

*No. 101 used with metal knob and lever for rim screen door sets and cast iron rim sets.

*No. 141 used with metal knob for hammered iron designs.

EMBLEMS AND MONOGRAMS

CAST BRONZE, BRASS OR IRON



Type A Knights Templar



Type B Mystic Shrine



Type C Masonic



Type D Royal Arch Chapter



Type E Consistory



Type F Type G Benevolent and Protective Order of Elks





Type H Eastern Star



Type I Cross



Type J Franciscan



Type K Odd Fellows



Type L Fraternal Order of Eagles



Type M Knights of Pythias



Type N Y. M. C. A.



Type P Monogram



Type R Monogram



Type S Monogram



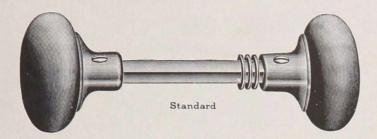
Type T Chicago Board of Education



Type U Detroit Board of Education

Above emblems and monograms may be used on knobs or plates and these cuts show a few of the many patterns we have in stock. Write for further information regarding the furnishing of special designs. Knobs are regularly furnished in 21/4 inch size.

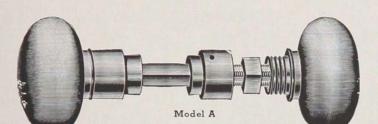
KNOB MOUNTINGS



STANDARD

Furnished with Wrought or Porcelain Knobs.

Knobs are attached to the spindle by side knob screws which pass through the knob shank into tapped holes in the spindle. The spindle is tapped at several points, and with the knob washers furnished, a proper adjustment may be obtained for doors $1\frac{3}{8}$ to $2\frac{1}{4}$ inches thick.



MODEL A

Screwless Shank

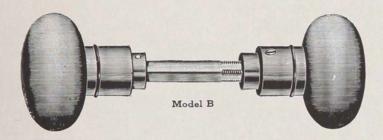
Furnished with cast knobs only

The outside knob is pinned fast to the spindle by a pin which is concealed by the rose or thimble.

The inside knob has a threaded sleeve, also a square nut which fits into a square hole in the knob shank.

The sleeve is turned with a special wrench which draws the inside knob to the rose or thimble, giving a close adjustment.

Specify thickness of door.

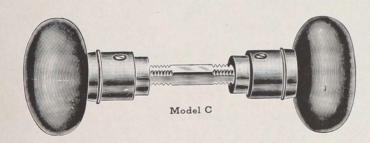


MODEL B

Furnished with Cast or One Piece Wrought Knobs.

The outside knob is pinned fast to the spindle by a pin which is covered by the thimble on the rose or escutcheon.

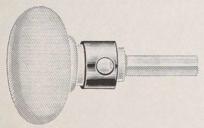
The shank of the inside knob and the spindle are threaded, and the knob is screwed onto the spindle to make a close working contact. The knob is held securely in place by a flat pointed steel set screw, through the shank of the knob, onto the flat surface of the spindle. For doors 13/8 to 21/4 inches thick.



MODEL C

Furnished with Cast, Wrought One Piece, Knobs, Glass Knobs or Lever Handles.

The shanks of both outside and inside knobs and the spindle are threaded, and the knobs are screwed onto the spindle to make a close working contact. The knobs are held securely in place by a flat pointed steel set screw, through the shank of the knob, onto the flat surface of the spindle. For doors 13/8 to 21/4 inches thick.



SLEEVE SHANK MODEL SS

The set screw is inserted through a hole in the sleeve. After the set screw is tightened, the sleeve is turned to cover the set screw and prevents it from working loose or being tampered with. The sleeve is used on a pair of Model B knobs with one end pinned and the other with knob screw. It cannot be used on knobs having moulded or French shanks.

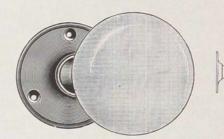
Model SS

Special length spindles can be furnished with any of above mounting.





Nos. P1345¼, P1345¼M, P1343¼ and P1343¼M x Roses P019



Nos. Pl341 1/4 and Pl341 1/4 M x Roses P019

JET, MINERAL AND PORCELAIN KNOBS—With 5/16" Standard Spindle Mountings

Number	Size, Inches	†Rose	Protection, Inches	Тор	Shank	Description
P1345 ¹ / ₄ P1345 ¹ / ₄ M P1343 ¹ / ₄ P1343 ¹ / ₄ M P1341 ¹ / ₄ P1341 ¹ / ₄ M	2¼ 2¼ 2¼ 2¼ 2¼ 2¼ 2¼	One, P019 Two, P019 One, P019 Two, P019 One, P019 Two, P019	1 7/8 1 7/8 1 7/8 1 7/8 1 7/8 1 7/8 1 7/8	Jet Jet Mineral Mineral Porcelain Porcelain	Iron Iron Iron Iron Iron Iron	Round, for Rim Locks Round, for Mortise Locks Round, for Rim Locks Round, for Mortise Locks Round, for Rim Locks Round, for Mortise Locks Round, for Mortise Locks

Packed 6 pair in a box, with roses and spindles. †Japanned Finish.





No. 1345¼ x 012B Type No. 1345¾ x 011B Type No. 1345 x 011B





No. 1341 ¼ x 012B Type No. 1341 ¾ x 011B Type No. 1341 x 011B

PORCELAIN AND JET KNOBS, CAST BRONZE OR BRASS SHANKS —With 5/6" Model "C" Spindle Mountings

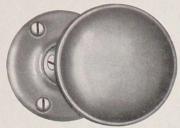
Number	Size, Inches	Wrought Roses	Projection, Inches	Тор	Shank	Description
134134 1341 13414 134534 1345 13454	1 3/4 2 2 1/4 1 3/4 2 2 1/4	011B 011B 012B 011B 011B 012B	2 2 2¼ 2 2 2 2¼	Porcelain Porcelain Porcelain Jet Jet Jet	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze	Round, for Mortise Locks Round, for Mortise Locks Round, for Mortise Locks Round, for Mortise Locks

Packed 1 pair in a box, with roses, spindles and screws.

Specify Number and Finish. Refer to Page No. 36 for description of finish.

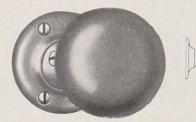
Can be furnished with other type roses. Refer to Page Nos. 432 and 433.

WROUGHT BRONZE, BRASS OR STEEL





Nos. P01320 1/4 x P012 Nos. P01320 1/4 R x P019



Nos. 01326¼ x 012 and P01326¼ x P012 Nos. 01326¼ C x 012B and P01326¼ x P012B Type Nos. 01326¾ x 011 and P01326¾ x P011 Type Nos. 01326¾ C x 011B and P013263భ C x P011B Type Nos. 01326 x 011 and P01326 x P011 Type Nos. 01326C x 011B and P01326C x P011B

WROUGHT BRONZE, BRASS OR STEEL—With 5/16" Standard Spindle Mountings

Number	Size, Inches	Rose	Projection, Inches	Material	Description
P01320 ¹ / ₄ P01320 ¹ / ₄ R 01326 ³ / ₄ P01326 ¹ / ₄ P01326 ¹ / ₄	2 ¼ 2 ¼ 1 ¾ 1 ¾ 1 ¼ 2 ¼ 2 ¼	P012 P019 011 P011 012 P012	2 ½ 2 ½ 2 ½ 2 ½ 2 ½ 2 ½ 2 ½	Steel Steel Bronze Steel Bronze Steel	Round, two piece Round, two piece (Rim Locks) Round, one piece Round, one piece Round, one piece Round, one piece

Packed 6 pairs in a box, with roses, spindle and screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify if other type spindle mounting required, see Page No. 415.

Can be furnished with other type roses. Refer to Page No. 432 and 433.

WROUGHT BRONZE, BRASS OR STEEL-With 5/16" Model "C" Spindle Mountings

Number	Size, Inches	Roses	Projection, Inches	Material	Description
0132634C P0132634C 01326C P01326C 0132634C P0132634C	1 3/4 1 3/4 2 2 2 2 1/4 2 1/4	011B P011B 011B P011B 012B P012B	2 ½8 2 ½8 2 ½4 2 ¼ 2 ¼ 2 ¼ 2 ¼	Bronze Steel Bronze Steel Bronze Steel	Round, one piece Round, one piece Round, one piece Round, one piece Round, one piece Round, one piece

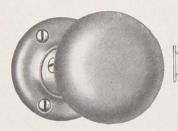
Packed 6 pairs in a box, with roses, spindle and screws.

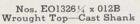
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify if other type rose required, see Page No. 432 and 433.

Specify if other type spindle mounting required, see Page No. 415.

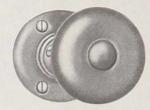
WROUGHT TOP, CAST SHANK BRONZE OR BRASS







Nos. 37001¾ x 37011B Type No. 37002 x 37011B Wrought Top—Cast Shank



No. 400013/4 x 40011B Wrought Top—Cast Shank

WROUGHT TOP, CAST SHANK, BRONZE OR BRASS KNOBS-With 5/6" Model "C" Spindle Mountings

Number	Size, Inches	Roses	Projection, Inches	Material	Description
EO1326 1/4 37001 3/4 37002 40001 3/4	2 ¼ 1 ¾ 2 1 ¾	012B 37011B 37011B 40011B	2½ 2¼ 2¾ 2¾ 2½	Bronze Bronze Bronze Bronze	Round Round Round Round

Packed 1 pair in a box, with roses, spindles and screws.

Specify if other types of roses required. Refer to Page Nos. 432 and 433.

For concealed screw type of roses, use No. 25B or 26B. Refer to Page No. 433.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Nos. 39002 x 39011B Wrought Top—Cast Shank



Nos. 38002 x 38011B Wrought Top—Cast Shank





Nos. 410013/4 x 41011B Wrought Top—Cast Shank





Nos. 42001¾ x 42011B Wrought Top—Cast Shank



WROUGHT TOP, CAST SHANK, BRONZE OR BRASS KNOBS-With 5/16" Model "C" Spindle Mountings

Number	Size, Inches	Roses	Projection, Inches	Material	Description
38002 39002 41001 ³ / ₄ 42001 ³ / ₄	2 2 1 ³ / ₄ 1 ³ / ₄	38011B 39011B 41011B 42011B	2½ 2½ 2½ 2¼ 2½	Bronze Bronze Bronze Bronze	Round Round Round Round

Packed 1 pair in a box, with roses, spindles and screws.

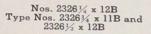
Specify if other types of roses required. Refer to Page Nos. 432 and 433.

For concealed screw type of roses, use No. 25B or 26B. Refer to Page No. 433.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

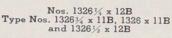
CAST BRONZE OR BRASS













CAST BRONZE OR BRASS KNOBS—With 5/16" Model "C" Spindle Mountings

Number	Size, Inches	Roses	Projection, Inches	Material	Description
13263/4 1326 13261/4 13261/2 23263/4 23261/4	1 3/4 2 2 1/4 2 1/2 1 3/4 2 1/4 2 1/4	11B 11B 12B 12B 11B 12B 12B	1 7/8 2 2 1/8 2 1/4 2 3/16 2 1/2 2 3/4	Cast Bronze	Round Round Round Round Spheroid Spheroid Spheroid

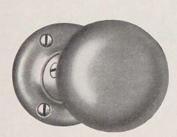
Packed 1 pair in a box, with roses, spindles and screws.

Can be furnished with other type roses, refer to Page Nos. 432 and 433.

Concealed screw roses can be furnished at additional price. Refer to Page No. 433.

Specify if other type spindle mounting required, refer to Page No. 415.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Nos. 3326½ x 12B Type Nos. 3326¾ x 11B and 3326½ x 12B





Nos. 4326½ x 12B Type Nos. 4326¾ x 12B and 4326½ x 13B



CAST BRONZE OR BRASS KNOBS—With 5/16" Model "C" Spindle Mountings

Number	Size, Inches	Roses	Projection, Inches	Material	Description
33263/4 33261/4 33261/2 43263/4 43261/4	13/4 21/4 21/4 21/4 21/4×11/4 25/8×13/8 27/8×23/4	11B 12B 12B 12B 12B 12B	234 318 36/16 278 274 272	Cast Bronze	Ball Ball Ball Oval Oval Oval

Packed 1 pair in a box, with roses, spindles and screws.

Can be furnished with other type roses, refer to Page Nos. 432 and 433.

Concealed screw roses can be furnished at additional price. Refer to Page No. 433.

Specify if other type spindle mounting required, refer to Page No. 415.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

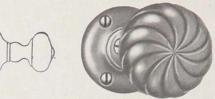
CAST BRONZE OR BRASS



No. 137001¾ x 137011B No. 137002 x 137011B No. 137002½ x 137012B No. 137003 x 137015B



No. 148002 x 148011B No. 1480013/4 x 148011B



No. 1310013/4 x 131011B



CAST BRONZE OR BRASS-With 5/16" Model "C" Spindle Mountings

Number	Size, Inches	Roses	Projection, Inches	Material	Description
13100134 13700134 137002 13700212 137003 14800134 148002	1 3/4 1 3/4 2 2 1/2 3 1 3/4 2	131011B 137011B 137011B 137012B 137015B 148011B	2 1/8 2 1/8 2 1/4 2 5/8 2 3/4 2 5/8 2 3/4	Cast Bronze	Round Round Round Round Round Round Round

Packed 1 pair in a box, with roses, spindles and screws.

Concealed screw roses can be furnished at additional price. Refer to Page No. 433.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Can be furnished with other type roses, refer to Page No. 432 and 433.



No. 18400134 x 184011B No. 184002 x 184011B



No. 1350013/4 x 135011B





No. 1340013/4 x 134011B

CAST BRONZE OR BRASS—With 5/6" Model "C" Spindle Mountings

Number	Size, Inches	Roses	Projection, Inches	Material	Description
13400134 13500134 18400134 184002	1 3/4 1 3/4 1 3/4 2	134011B 135011B 184011B 184011B	2 ½ 2 ½ 2 ½ 2 ½ 2 ½ 2 ¾	Cast Bronze Cast Bronze Cast Bronze Cast Bronze	Round Round Round Round

Packed 1 pair in a box, with roses, spindles and screws.

Concealed screw roses can be furnished at additional price. Refer to Page No. 433.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Can be furnished with other type roses, refer to Page No. 432 and 433.

CAST BRONZE OR BRASS



Nos. 183002 x 183011B Type Nos. 183001¾ x 183011B Type Nos. 183002½ x 183012B Type Nos. 183003 x 183015B



Nos. 1890013/4 x 189011B Type Nos. 189002 x 189011B



Nos. 1950013/4 x 195011B

CAST BRONZE OR BRASS—With 5/16" Model "C" Spindle Mountings

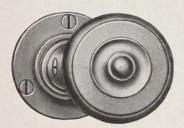
Number	Size, Inches	Roses	Projection, Inches	Material	Description
183001 ³ / ₄ 183002 183002 ³ / ₂ 183003 195001 ³ / ₄ 189001 ³ / ₄	13/4 2 21/2 3 13/4 13/4 2	183011B 183011B 183012B 183015B 195011B 189011B	2 1/4 2 3/8 2 1/2 2 5/8 1 1/8 2	Cast Bronze	Round Round Round Round Round Round Round Round Round

Packed 1 pair in a box, with roses, spindles and screws.

For concealed screw type of roses, use No. 26B or 27B on Nos. 183001¾, 183002, 189001¾ and 189002, and No. 24B or 25B on No. 195001¾. Refer to Page No. 433.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify if other types of roses required, refer to Page No. 432 and 433.



Nos. 160002 1/4 x 16012B Type Nos. 160003 x 16015B





Nos. 194002½ x 194012B Type of Nos. 194001¾ x 194011B Nos. 194002 x 194011B Nos. 194003 x 194015B



CAST BRONZE OR BRASS—With 5/16" Model "C" Spindle Mountings

Number	Size, Inches	Roses	Projection, Inches	Material	Description
194001 ³ / ₄ 194002 194002 ¹ / ₂ 194003 160002 ¹ / ₄ 160003	13/4 2 21/2 3 21/8 3	194011B 194011B 194012B 194015B 160012B 160015B	2½ 2½ 2½ 2¾ 2½ 2½ 25% 2½	Cast Bronze	Round Round Round Round Round Round

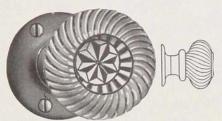
Packed 1 pair in a box, with roses, spindles and screws.

For concealed screw type of roses, use No. 26B or 27B. Refer to Page No. 433.

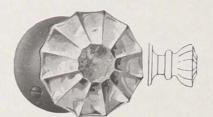
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Specify if other types of roses required, refer to Page No. 432 and 433.

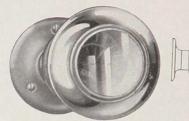
GLASS DOOR KNOBS



Nos. 0216 x 011B and 216 x 11B Type Nos. 0216¾ x 011B and 216¾ x 11B



Nos. 0215 x 011B and 215 x 11B Type Nos. 0215¾ x 011B and 215¾ x 11B Type Nos. 0215¼ x 012B and 215¼ x 12B



Nos. 0213 x 011B and 213 x 11B

BRONZE OR BRASS SHANKS AND ROSES—With 5/6" Model "C" Spindle Mountings

Wrought Shanks and Roses		Cast Shanks and Roses		Lockset	Size	Projection	
Number	Roses, Two Number	Number	Roses, Two Number	Symbol	Inches	Inches	Description
0215 0215 1/4 0215 3/4 0213 0216 0216 3/4	011B 012B 011B 011B 011B 011B	215 1/4 215 3/4 213 216 216 3/4	11B 12B 11B 11B 11B	RF RF RF TF GF	2 2 ¹ / ₄ 1 ³ / ₄ 2 2 1 ³ / ₄	2 ¼4 2 ¾8 2 ¼8 2 ¼4 2 ¼2 2 ¾2	Fluted, clear glass, fire polished Fluted, clear glass, fire polished Fluted, clear glass, fire polished Round, clear glass, fire polished Rope, clear glass, fire polished Rope, clear glass, fire polished

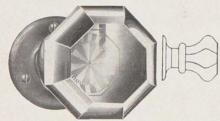
Packed 1 pair in a box, with roses, spindle and screws.

Can be furnished with other type roses. Refer to Page No. 432 and 433.

Concealed screw roses can be furnished at additional price. Refer to Page No. 433.

Specify Number and Finish. Refer to Page 36 for description of finishes.

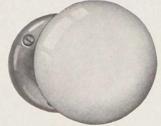
Refer to Page No. 62 for size symbol.



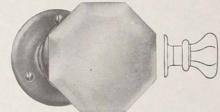
Nos. 0217¼ x 012B, 217½ x 12B, PO217½ x 012B and P217½ x 12B

Type Nos. 0217¾ x 011B, 217¾ x 11B, PO217¾ x 011B and P217¾ x 11B

Type Nos. 0217 x 011B, 217 x 11B, PO217 x 011B and P217 x 11B



Nos. 0500½ x 012B and 500¼ x 12B Type Nos. 0500¾ x 011B and 500¾ x 11B



No. 0510 ¼ x 012B and 510 ¼ x 12B Type Nos. 0510 ¼ x 011B and 510 ¾ x 11B Type Nos. 0510 x 011B and 510 x 11B

BRONZE OR BRASS SHANKS AND ROSES—With 5/6" Model "C" Spindle Mountings

Wrought Shan	ks and Roses	Cast Shan	ks and Roses	Lockset	Size	Projection	
Number	Roses, Two Number	Number	Roses, Two Number	Symbol	Inches	Inches	Description
0217 0217 1/4 P0217 1/4 P0217 3/4 P0217 3/4 0500 3/4 0500 3/4 0510 0510 1/4 0510 3/4	011B 012B 011B 012B 011B 012B 011B 011B	217 217 1/4 P217 P217 1/4 P217 1/4 S00 1/4 500 3/4 510 510 1/4 510 3/4	11B 12B 11B 12B 11B 12B 11B 11B 11B 11B	YF YF YP YP YP S S J	2 2 ½4 2 ½4 1 ¾4 2 ¼4 1 ¾4 2 ¼4 1 ¾4	2½ 2½ 2½ 2½ 2½ 2 2½ 2½ 2½ 2½ 23% 23%	Octagon, clear glass, fire polished Octagon, clear glass, fire polished Octagon, clear glass, polished Octagon, clear glass, polished Octagon, clear glass, polished Round, opal glass Round, opal glass Octagon, opal glass

Packed 1 pair in a box, with roses, spindle and screws.

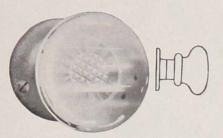
Can be furnished with other type roses. Refer to Page Nos. 432 and 433.

Concealed screw roses can be furnished at additional price. Refer to Page No. 433.

Specify Number and Finish. Refer to Page 36 for description of finishes.

Refer to Page No. 62 for size symbol.

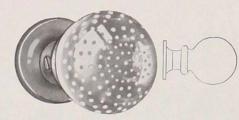
GLASS DOOR KNOBS



No. 100 4x12B Type No. 100 4x11B



No. 120½x12B Type No. 120¾x11B



No. 121x29B Type No. 1213/4x28B

CAST BRONZE OR BRASS SHANKS AND ROSES—With 5/16 Inch Model "C" Spindle Mountings

Number	Lockset Symbol	Size Inches	Roses, Two Number	Projection Inches	Description
100 3/4 100 1/4 120 3/4 120 1/4 121 3/4 121	L L G Z Z	134 244 134 244 134 2	11B 12B 11B 12B 11B 12B	2 1/4 2 1/2 3 3 1/4 2 1/4 2 1/2	Round, Clear Glass, Polished Round, Clear Glass, Polished Ball, Clear Glass, Polished Ball, Clear Glass, Polished Round, Bubble Glass, Polished Round, Bubble Glass, Polished

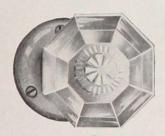
Packed 1 pair in a box, with roses, spindles and screws.

Can be furnished with other type roses. Refer to Page No. 432 and 433.

Concealed screw roses can be furnished at additional price. Refer to Page No. 433.

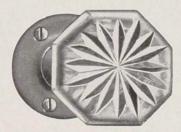
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Refer to Page No. 62 for size symbol.



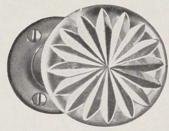


No. 114¹/₄×12B Type No. 114³/₄×11B





No. 112¹/₄×12B Type No. 112³/₄×11B





No. 101¹/₄x12B Type No. 101³/₄x11B





No. 124¹/₄x12B Type No. 124³/₄x11B

CAST BRONZE OR BRASS SHANKS AND ROSES—With 5/16 Inch Model "C" Spindle Mountings

Number	Lockset Symbol	Size Inches	Roses, Two Number	Projection Inches	Description
11434 11414 11234 11214 10134 10114 12434 12414	M M H K K W W	134 214 134 214 134 214 134 214	11B 12B 11B 12B 11B 12B 11B 12B	25/16 21/16 21/8 23/8 23/8 23/8 23/8 23/8 31/4	Octagon, Clear Glass, Cut, Polished Octagon, Clear Glass, Cut, Polished Octagon, Clear Glass, Cut, Polished Octagon, Clear Glass, Cut, Polished Round, Clear Glass, Cut, Polished Round, Clear Glass, Cut, Polished Ball, Cut Glass, Polished Ball, Cut Glass, Polished

Packed I pair in a box, with roses, spindles and screws.

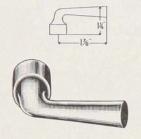
Can be furnished with other type roses. Refer to Pages No. 432 and 433.

Concealed screw roses can be furnished at additional price. Refer to Page No. 433.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Refer to Page No. 62 for size symbol.

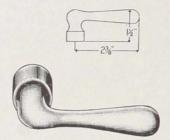
WITHOUT ROSES



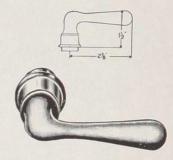




Nos. 40 and P40



Nos. 31 and P31



Nos. 31C and P31C

CAST BRONZE, BRASS OR IRON-For Screen Door and French Window Sets With One Set Screw

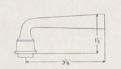
Number	Length Center of Spindle to End of Handle Inches	Projection From Rose Flange to Widest Part of Handle Inches	Mounting One Set Screw	Spindle Inches	Material
31 P31 31C P31C 32 P32 40 P40	23/8 23/8 23/8 23/8 17/8 17/8 13/4 13/4	1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¾ 1 ¾ 1 ¾ 1 ¾	Standard Standard Model C Model C Standard Standard Standard Standard	5/6 5/16 5/16 5/16 5/16 5/16 5/16	Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Iron Cast Bronze Cast Iron Cast Iron

Packed 6 pair in a box with spindles and one set screw each lever, without roses.

Specify roses required. Refer to Pages No. 432 and 433.

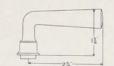
For other lever handles, refer to design section.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.





No. 37





Nos. 33 and P33





No. 41

CAST BRONZE, BRASS OR IRON—Model "C" Spindle Mountings, With Two Set Screws Each

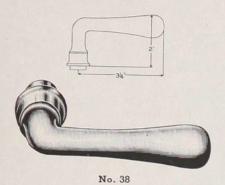
Number	Length Center of Spindle to End of Handle Inches	Projection From Rose Flange to Widest Part of Lever Inches	Spindle Inches	Material
33	27/8	134	5/16	Cast Bronze
P33	27/8	134	5/16	Cast Iron
37	31/8	112	5/16	Cast Bronze
41	3	2	5/16	Cast Bronze

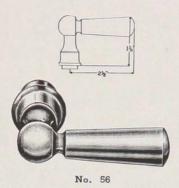
Packed 6 pair in a box with spindles and two set screws for each lever, without roses.

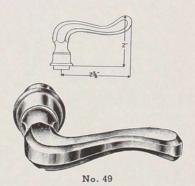
Specify roses required. Refer to Page Nos. 432 and 433. For other lever handles, refer to design section.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WITHOUT ROSES







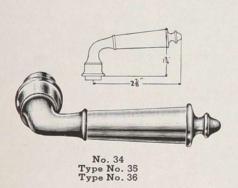
CAST BRONZE OR BRASS-Model "C" Spindle Mountings, With Two Set Screws Each

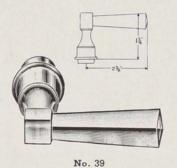
Number	Length Center of Spindle To End of Lever Inches	Projection From Rose Flange To Widest Part of Lever Inches	Spindle Inches	Material
38	3 ¼	2	5/16	Cast Bronze
49	2 ½	2	5/16	Cast Bronze
56	2 ½	1 7/8	5/16	Cast Bronze

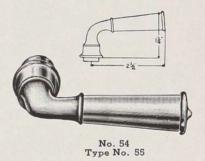
Packed 6 pair in a box with spindle without roses.

Specify roses required. Refer to Pages Nos. 432 and 433. For other levers, refer to design section.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.







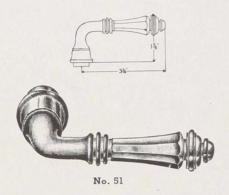
CAST BRONZE OR BRASS-Model "C" Spindle Mountings, With Two Set Screws Each

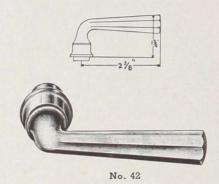
Number	Length Center of Spindle To End of Lever Inches	Projection From Rose Flange To Widest Part of Lever Inches	Spindle Inches	Material
34	27/8	1 3/4	5/16	Cast Bronze
35	37/8	1 3/4	5/16	
36	53/8	1 7/6	5/16	
39	23/8	1 3/4	5/16	
54	21/2	1 3/4	5/16	
55	35/8	1 3/4	5/16	

Packed 6 pair in a box with spindle, without roses.

Specify roses required. Refer to Pages Nos. 432 and 433. For other lever handles, refer to design section.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.





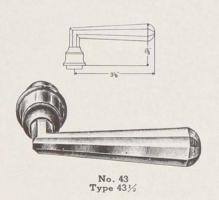
CAST BRONZE OR BRASS-Model "C" Spindle Mountings With Two Set Screws Each

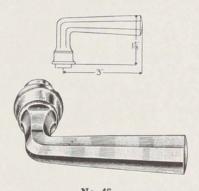
Number	Length Center of Spindle to End of Lever Inches	Projection From Rose Flange to Widest Part of Lever Inches	Spindle Inches	Material
51	3 ¼	1 7/8	5/16	Cast Bronze
42	23/8	1 3/4	5/16	Cast Bronze

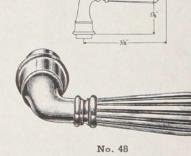
Packed 6 pair in a box with spindle, without roses.

Specify roses required. Refer to Pages No. 432 and 433. For other lever handles, refer to design section.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.







No. 45 Type No. 44 Type No. 46

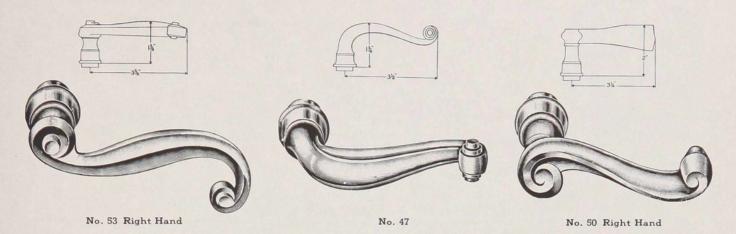
CAST BRONZE OR BRASS-Model "C" Spindle Mountings With Two Set Screws Each

Number	Length Center of Spindle to End of Lever Inches	Projection From Rose Flange to Widest Part of Lever Inches	Spindle Inches	Material
43	3½	1 5/8	5/16	Cast Bronze
43 ¹ / ₂	2½	1 5/8	5/16	
44	2½	1 7/8	5/16	
45	3	1 7/8	5/16	
46	3¼	1 7/8	5/16	
48	3¼	1 7/8	5/16	

Packed 6 pair in a box with spindle, without roses.

Specify roses required. Refer to Pages No. 432 and 433. For other lever handles, refer to design section. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WITHOUT ROSES



CAST BRONZE OR BRASS-Model "C" Spindle Mountings, With Two Set Screws Each

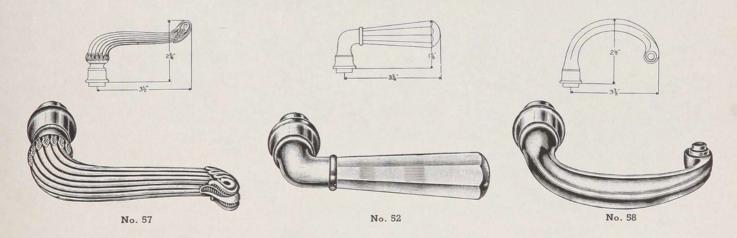
Number	Length Center of Spindle To End of Lever Inches	Projection From Rose Flange To Widest Part of Lever Inches	Spindle Inches	Material
47 *50 *53	3½ 3¼ 3¾ 35/8	13/4 2 15/8	5/16 5/16 5/16	Cast Bronze Cast Bronze Cast Bronze

Packed 6 pair in a box with spindle, without roses.

*When ordering Nos. 50 and 53 in half pairs, hand must be specified.

Specify roses required. Refer to Pages Nos. 432 and 433. For other lever handles, refer to design section.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



CAST BRONZE OR BRASS-Model "C" Spindle Mountings, With Two Set Screws Each

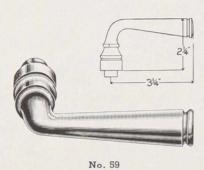
Number	Length Center of Spindle To End of Lever Inches	Projection From Rose Flange To Widest Part of Lever Inches	Spindle Inches	Material
52	33/4	1 78	5/16	Cast Bronze
57	31/2	2 38	5/16	Cast Bronze
58	33/8	2 1/2	5/16	Cast Bronze

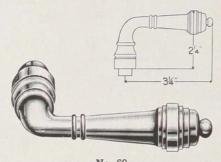
Packed 6 pair in a box with spindle, without roses.

Specify roses required. Refer to Pages Nos. 432 and 433. For other lever handles, refer to design section.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

WITHOUT ROSES





No. 60 Type No. 61 and 62

CAST BRONZE OR BRASS-Model "C" Spindle Mountings, With Two Set Screws Each

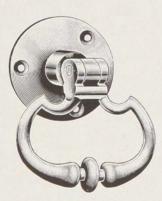
Number	Length Center of Spindle to End of Lever Inches	Projection From Rose Flange to Widest Part of Lever Inches	Spindle Inches	Material
59 60 61 62	3 ½ 3 ½ 4 ½ 4 ½ 4 ¾	2 ½ 2 ½ 3 3	5/16 5/16 5/16 5/16	Cast Bronze Cast Bronze Cast Bronze Cast Bronze

Packed 6 pair in a box with spindle, without roses.

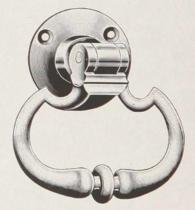
Specify roses required. Refer to Pages No. 432 and 433. For other lever handles, refer to design section.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

DROP RING HANDLES







No. 2362

CAST BRONZE OR BRASS-Model "C" Spindle Mountings

Number	Width Inches	Length, Center of Spindle to Bottom of Drop Ring Inches	Rose Inches	Projection Inches	*Spindle Inches
2361 2362	2 ¼ 3 ¼	2 2 7/8	1 ³ / ₁₆ 1 ⁵ / ₁₆	1 5/16 1 1/2	5/16 5/16

Specify length of spindle or thickness of door.

*Drop ring is pinned to spindle with other end of spindle threaded for Model "C" Mounting.

For drop ring, cabinet or drawer pull, refer to Page No. 519.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

KEY ESCUTCHEONS



No. P01485



No. 01508 No. P01508



No. 01504 No. P01504



No. 01521 and No. P01521 Type No. 01523 and No. P01523



No. 01505 No. P01505



No. 01519 No. P01519



No. 01530

WROUGHT BRONZE, BRASS OR STEEL

Number	Size, Inches	Material
P01485 01504 P01504 01505 P01505 01508 P01508 01519 P01519 01521 P01521 01523 P01523 01530	178x 78 136x13/2 136x13/2 2 x11/16 2 x11/6 2 x11/8 2 x11/8 134x 3/4 134x 3/4 134x 3/4 134x13/16 134x13/16 134x13/16 134x13/16 134x13/16 21/4x 3/4	Wrought Steel Wrought Bronze Wrought Steel Wrought Bronze Wrought Steel Wrought Bronze Wrought Steel Wrought Bronze Wrought Bronze Wrought Steel Wrought Steel Wrought Steel Wrought Bronze—Light Wrought Bronze—Heavy Wrought Steel—Heavy Wrought Steel—Heavy

Packed 2 dozen in a box with screws. For other types, refer to design section. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



No. 1503



No. 1521



No. 1513



No. 1502



No. 1505





No. 1519



No. 1511



No. 1510D



No. 1512D



No. 1501D



No. 1505D



No. 1509



No. 1509D



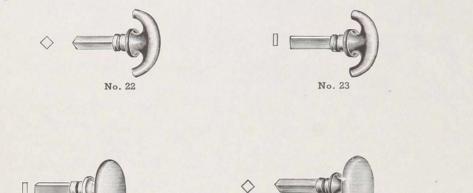
No. 1522D

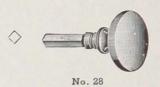
CAST BRONZE OR BRASS

Number	Size, Inches	Material				
1501D 1502 1503 1505 1505D 1509D 1509D 1510D 1511 1512D 1513 1516D 1519 1521	2 x 78 1 ½ x 78 1 ½ x 78 1 3 8 Dia. 2 x 1 1/6 2 x 78 2 ½ x 78 2 ½ x 78 2 ½ x 78 2 x 3/4 2 x 15/16 2 ½ 8 x 78 2 x 1 ½ 1 3/4 x 11/6 1 7 8 x 78 1 3/4 x 18/6 2 ½ 8 x 78	Cast Bronze				

Packed 2 dozen in a box with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

TURN KNOBS





No. 30

CAST BRONZE OR BRASS TURN KNOBS-Without Plates

No. 25

Number	Turn Number Size, Inches	Material	Spindle, Inch
22 23 25 26 28 30	l ¼ 1 ¼ 1 ½x5% Oval 1 ½x5% Oval 1 ½ Round ½ Round Head	Cast Bronze	3/16 Diamond 7/32 Flat 3/16 Diamond 7/32 Flat 3/16 Diamond 3/16 Diamond 3/16 Diamond

Packed 2 dozen in a box with attachment rings. Attaching ring included with all turn knobs.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

No. 26

^{*}No. 30F is an emergency attachment used on outside escutcheon of bath and bedroom locks where a regular turn knob is used on inside escutcheon. A screw driver or any flat instrument can be inserted in the slotted round head and by turning will retract dead bolt.

TURN KNOBS



No. 01519 x 22 No. 1519 x 22 Type No. 01519 x 23 Type No. 1519 x 23



No. 01519 x 25 No. 1519 x 25 Type No. 01519 x 26 Type No. 1519 x 26



No. 01521 x 22 No. 1521 x 22 Type No. 01521 x 23 Type No. 1521 x 23



No. 01521 x 25 No. 1521 x 25 Type No. 01521 x 26 Type No. 1521 x 26



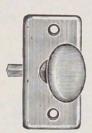
No. 01505 x 22 No. 1505 x 22 Type No. 01505 x 23 Type No. 1505 x 23



No. 01505 x 25 No. 1505 x 25 Type No. 01505 x 26 Type No. 1505 x 26



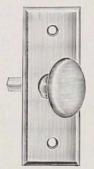
No. 01526 x 22 No. 1526 x 22 Type No. 01526 x 23 Type No. 1526 x 23



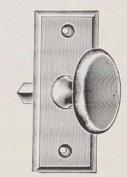
No. 01526 x 25 No. 1526 x 25 Type No. 01526 x 26 Type No. 1526 x 26



No. 1522 x 22 Type No. 1522 x 23



No. 1522 x 25 Type No. 1522 x 26



No. 1530

Wrought Bronze or Brass Plates with Cast Bronze or Brass Turn Knobs

Wit	With 3/16 Inch Spindles on Diamond			With 7/32 Inch Flat Spindles			s
Number	Turn Number	Plate Number	Size, Inches	Number	Turn Number	Plate Number	Size, Inches
01505x22 01505x25 01519x22 01519x25 01521x22 01521x25 01526x22 01526x25	22 25 22 25 22 25 22 25 22 25	01505 01505 01519 01519 01521 01521 01526 01526	2 x1½6 2 x1½6 134x 34 134x 34 134x1¾6 134x1¾6 2½x1⅓8 2½x1⅓8	01505x23 01505x26 01519x23 01519x26 01521x23 01521x26 01526x23 01526x26	23 26 23 26 23 26 23 26 23 26	01505 01505 01519 01519 01521 01521 01526 01526	2 x1½6 2 x1½6 134x 34 134x 34 134x1¾6 134x1¾6 2½x1½8 2½x1½8

Cast Bronze or Brass Plates with Cast Bronze or Brass Turn Knobs

Wit	With 3/16 Inch Spindles on Diamond			With 7/32 Inch Flat Spindles			
Number	Turn Number	Plate Number	Size, Inches	Number	Turn Number	Plate Number	Size, Inches
1505×22 1505×25 1519×22 1519×25 1521×22 1521×25 1522×22 1522×25 1526×22 1536×25 *1530	22 25 22 25 22 25 22 25 22 25 22 25 22	1505 1505 1519 1519 1521 1521 1522 1522 1526 1526	2 x1½6 2 x1½6 1 ½x ¾ 1 ½x ¾ 1 ½x ¾ 1 ¼x1¾6 3 x ½ 3 x ½ 2½x1½8 2½x1½8 3 x ½6	1505x23 1505x26 1519x23 1519x26 1521x23 1521x26 1522x23 1522x26 1526x23 1526x26	23 26 23 26 23 26 23 26 23 26 23 26 23 26	1505 1505 1519 1519 1521 1521 1522 1522 1526 1526	2 x11/6 2 x11/6 17/8x 3/4 17/8x 3/4 13/4x18/6 13/4x18/6 3 x 7/8 3 x 7/8 21/8x11/8 21/8x11/8

Packed 2 dozen in a box, with screws.

^{*}No. 1530 has $\frac{5}{16}$ inch spindle for use with mortise latches. Knob is $1.5\% x^{15}/16$ inches.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

For glass knob turn knobs refer to Page No. 518.

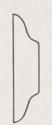
KNOB ROSES







Nos. 012 and P012









Nos. 011B and P011B

Nos. 012B and P012B







Nos. 016 and P016

No. P019

WROUGHT BRONZE, BRASS OR STEEL ROSES

Number	Size, Inches	Projection, Inches	Material	Knob Mounting
011 P011 011B P011B 012 P012 012B P012B 38012B P38012B 016 P016 P019	15/8 15/8 13/4 13/4 2 2 2 2 1/8 2 2 2 2x2 1/4 2x2 1/4 17/8	3/8 3/8 3/8 3/8 7/16 7/16 7/16 7/16 3/8 3/8	Wrought Bronze Wrought Steel Wrought Steel Wrought Bronze Wrought Bronze Wrought Steel Wrought Bronze	Standard Spindle Standard Spindle Model C Spindle Model C Spindle Standard Spindle Standard Spindle Standard Spindle Model C Spindle Model C Spindle Model C Spindle Model C Spindle Standard Spindle Standard Spindle Standard Spindle Standard Spindle

Packed 2 dozen in a box, with screws.

No. P019 furnished in black japanned unless otherwise ordered.

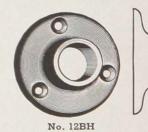
Specify Number and Finish. Refer to Page No. 36 for description of finishes.











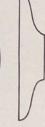
CAST BRONZE, OR BRASS ROSES

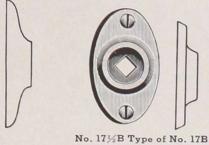
Number	Size, Inches	Projection, Inches	Material	Knob Mounting
11B	1 3/4	3/8	Cast Bronze	Model A, B or C Spindle
12B	2	3/8	Cast Bronze	Model A, B or C Spindle
12BH	2	1/2	Cast Bronze	Model A, B or C Spindle
13B	2 2 1/4	1/2	Cast Bronze	Model A, B or C Spindle

Packed 2 dozen in a box, with screws.

KNOB ROSES



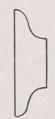






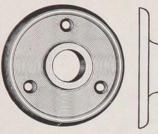




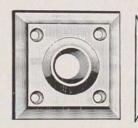




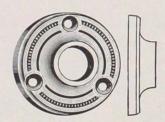








No. 163012B

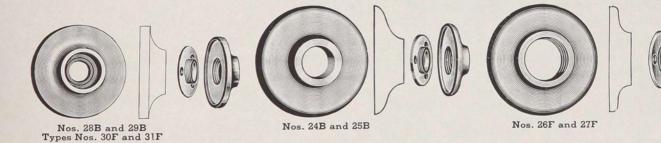


No. 23B

CAST BRONZE, OR BRASS ROSES

Number	Size, Inches	Projection, Inches	Material	Knob Mounting
12½B 15B *17B 17½B 18B 163012B 23B 32B	2 2 ¹ / ₄ 2 ¹ / ₈ x1 ⁵ / ₁₆ 2 ¹ / ₈ x1 ⁵ / ₁₆ 2 ⁵ / ₆ x1 ¹ / ₈ 2 ¹ / ₄ x2 ¹ / ₄ 2 2 ¹ / ₈	1/2 3/8 9/16 9/16 1/2 3/8 9/16 1/2	Cast Bronze	Model A, B or C Spindle

*No. 17B is plain rose without auxiliary spring.
Packed 2 dozen in a box, with screws.
Nos. 171/B and 121/B roses have auxiliary springs for 5/6 inch spindles.
Specify Number and Finish. Refer to Page No. 36 for description of finishes.



CONCEALED SCREW, CAST BRONZE OR BRASS ROSES

Number	Size, Inches	Projection, Inches	Material	Knob Mounting
†24B †25B *26F *27F †28B †29B *30F *31F	15/8 2 15/8 2 15/8 2 15/8 2	7/16 7/16 3/8 3/8 7/16 7/16 3/8 3/8	Cast Bronze	Model A, B, or C Spindle Model A, B, or C Spindle French Spindle French Spindle Model A, B, or C Spindle Model A, B, or C Spindle French Spindle French Spindle

Packed 2 dozen in a box, with screws.

*Nos. 26F, 27F, 30F and 31F are used on the following designs only: Arlington, Page 221—Bangor, Page 219—Billingham, Page 236—Hanley, Page 219—and Wingate, Page 222.

†All other knobs require Nos. 24B, 25B, 28B and 29B roses, where concealed screw roses are wanted. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CYLINDER PLATES



No. 12025 No. 163025



No. 10025



No. 153025



No. 174025



No. 194025D *Type No. 194025



No. 197025D



No. 157025



No. 116025



No. 102025



No. 158025



No. 34025



No. 32025

Number	Design	Size, Inches	Material
10025 12025 32025 34025 102025 116025 153025 157025 158025 163025 174025 *194025 194025D	Angro Stratford Carlisle Locart San Bruno Roxbury Putnam Columbus Westvale Salem York Billingham Billingham Croydon	23/8 21/4 3 x21/4 23/4x21/4 33/4x21/8 3 x3 2 x2 2 x2 2 x2 33/4x11/8 23/4x23/4 21/4 21/4	Wrought Bronze or Brass Wrought Bronze or Brass Wrought Bronze or Brass Wrought Bronze or Brass Cast Bronze or Brass

For other cylinder plates refer to design section. Packed each in a box, with screws or lugs. *No. 194025 without drop. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



No. 12390 No. 163390



No. 11390 No. 162390

PUSH BUTTONS



No. 174390



No. 10390



No. 23390

Number	Design	Size, Inches	Material
10390	Angro	23/8	Wrought Bronze or Brass Wrought Bronze or Brass Wrought Bronze or Brass Wrought Bronze or Brass Cast Bronze or Brass Cast Bronze or Brass Cast Bronze or Brass
11390	Arden	31/2x11/2	
12390	Stratford	4 x11/2	
23390	Monroe	21/4	
162390	Kent	31/2x11/2	
163390	Salem	4 x11/2	
174390	York	2	

For other push buttons, refer to design section. Packed each in a box with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

[FUTURE DESIGNS]

CUP ESCUTCHEONS

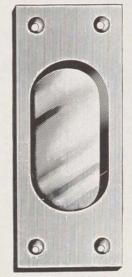
CAST BRONZE OR BRASS



No. 1601—With Key Hole Type No. 1601B—Blank



No. 1602—With Key Hole Type No. 1602B—Blank



No. 1603B—Blank Type No. 1603—With Key Hole



No. 1604B—Blank Type No. 1604—With Key Hole

Number	Size of Plate Inches	Size of Cup Inches	Depth of Cup Inches	Projection Back of Plate Inches	Material
1601 1601B 1602 1602B 1603 1603B 1604B	5 x15/8 5 x15/8 41/2x2 41/2x2 41/8x2 41/8x2 5 x21/4 5 x21/4	43/8x1 43/8x1 37/8x13/8 37/8x13/8 23/4x13/8 23/4x13/8 41/2x13/4 41/2x13/4	1/2 1/2 1/2 1/2 5/16 5/16 1/2	3/8 3/8 7/16 7/16 5/16 5/8 5/8	Cast Bronze

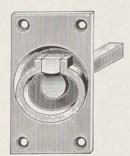
Packed 6 in a box, with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

FLUSH CUP HANDLES

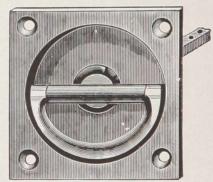
CAST BRONZE OR BRASS



No. 1686



No. 1692



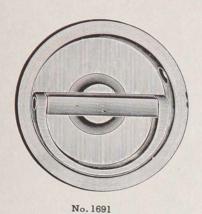
No. 1689 Type of No. 1688

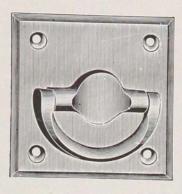
Number	Size of Plate Inches	Size of Cup Inches	Depth of Cup Inches	Projection Back of Plate Inches	Material
1686 1688 1689 1692	134x13/8 25/8x25/8 3 x3 25/8x11/2	1 2 2¼ 1¾ 13%	1/4 7/16 5/8 1/4	3/8 3/8 3/8 4/4	Cast Bronze Cast Bronze Cast Bronze Cast Bronze

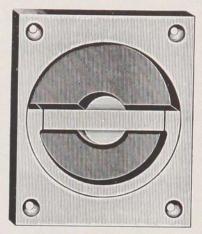
Packed 6 in a box, with screws. All handles have 5/6" spindles. Specify type of spindle and if on diamond or square. Specify thickness of doors. Nos. 1686 and 1692 packed 1 dozen in a box with screws. Nos. 1688 and 1689, 1/2 dozen in a box with screws. For flush drop handles and rings, refer to Page No. 520. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

FLUSH CUP HANDLES

CAST BRONZE OR BRASS

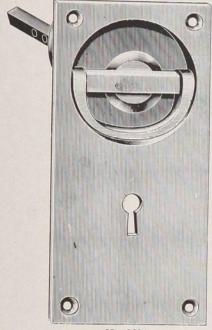




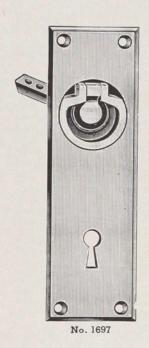


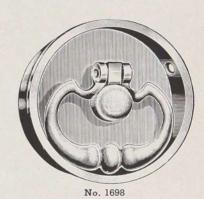
No. 1696











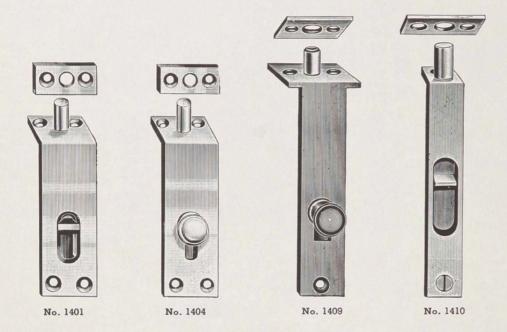
Number	Size of Plate Inches	Size of Cup Inches	Depth of Cup Inches	Projection Back of Plate, Inches	Material
1691 1694 1695 *1696 1697 1698	3½ 5½x3 4 x3½ 3 x3 5½x1¾ 3½	25/8 21/4 27/8 None 11/4 23/4	7/6 7/6 7/6 None 5/6 1/2	3/8 7/16 5/16 None 1/4 1/2	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze

*The handle for No. 1696 projects above plate 7/16 inch. All handles have 5/16 inch spindles. Specify type of spindle and if on diamond or square. Specify thickness of doors. Packed each in a box. with screws, Specify spacing of lock for 1694 and 1697. For flush drop handles and rings, refer to Page No. 520.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

FLUSH BOLTS

CAST BRONZE OR BRASS



Number	Length Inches	Width Inches	Angle Inches	*Backset Inches	Material
1401	3 and 6	l	5/8	5/16	Cast Bronze
1404	3 and 6	1	5/8	5/16	Cast Bronze
1409	3, 4, and 6	13/16	3/4x13/8	1/4	Cast Bronze
1410	4-6-9-12-15	5/8	11/4	7/16	Cast Bronze

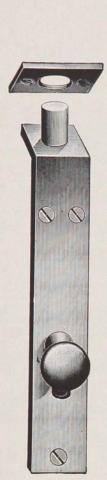
^{*}Distance from edge of door to center of bolt. Specify the length.

Packed 1 dozen of a size in a box with screws.

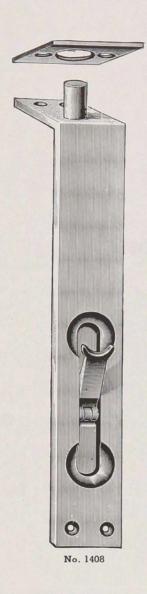
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

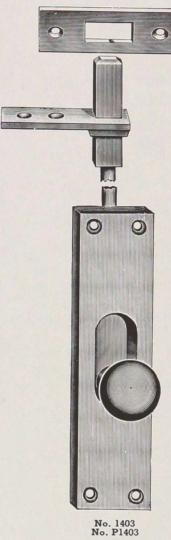
EXTENSION BOLTS

CAST BRONZE, BRASS OR IRON









Number	Length Inches	Width Inches	Angle Inches	*Backset Inches	Material
1405	6 and 12	1 1	1 3/8	5/8	Cast Bronze
1408	9-12-18-24-30		1 1/2	5/8	Cast Bronze

^{*}Distance from edge of door to center of bolt. Specify the length. Packed ½ dozen in a box, with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Number	Plate	Bolt Head	Rod	Length Rod	Backset	Throw of Rod	Material
1403	53/4x15/8 in.	½ in. sq.	¼ in.	6 to 48 in.	7/8 in.	l in.	Cast Bronze
P1403	53/4x15/8 in.	½ in. sq.	¼ in.	6 to 48 in.	7/8 in.	l in.	Cast Iron

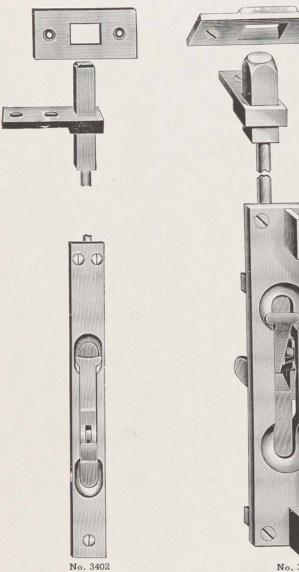
Length of rod is distance from center of lever to end of head. Specify length of rod. Dust-proof strikes furnished to special order, at additional price. Refer to Page No. 444.

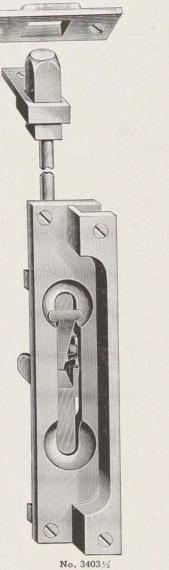
Packed 2 in a box, with screws—rods separate.

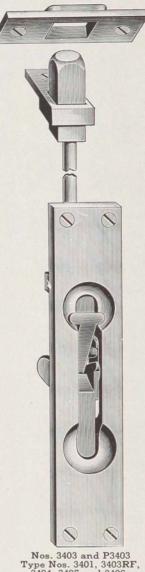
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

EXTENSION BOLTS

CAST BRONZE, BRASS OR IRON









LENGTH OF ROD

Nos. 3403 and P3403 Type Nos. 3401, 3403RF, 3404, 3405 and 3406

Number	Plate	Bolt Head	Rod	Length Rod	Backset	Throw of Rod	Material
3401 3402 3403 P3403 *3403RF 3403½ †3404 3405 3406	63/8x1 in. 57/8x 5/8 in. 63/8x1 1/4 in.	½ in. sq. 3% in. sq. ½ in. rd.	1/4 in. 3/6 in. 1/4 in.	6 to 48 in. 6 to 30 in. 6 to 48 in.	9/6 in. 1/2 in. 9/6 in. 9/6 in. 9/6 in. 1/2 in. 9/6 in. 9/6 in. 9/6 in. 9/6 in.	7/8 in. 13/6 in. 7/8 in.	Cast Bronze

*No. 3403RF Bolt has rounded front for doors with rounded edge. Send drawing of door. †Bolt head extends 1 1/4 in. when unlocked. For combination slide and elevator doors. Length of rod is distance from center of lever to end of head.

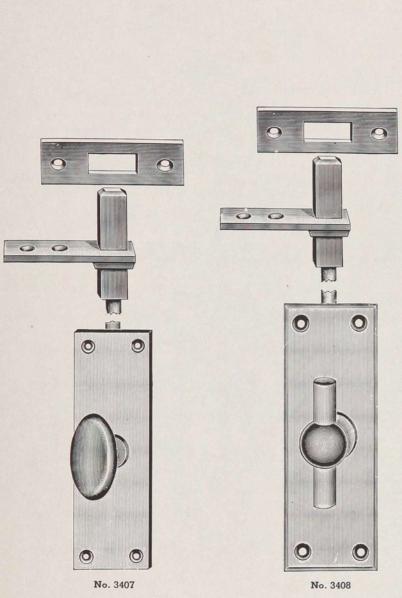
Specify length of rod.

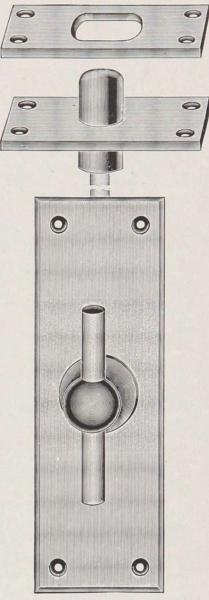
Dust-proof strikes furnished to special order, at additional price. Refer to Page No. 444.

Packed 2 in a box, with screws—rods separate.

EXTENSION BOLTS

CAST BRONZE OR BRASS





No. 3409

Number	Plate	Bolt Head	Rod	Length, Rod	Backset	Throw of Rod	Material
3407	4½x1½ in.	½ in. sq.	¹ / ₄ in. ⁵ / ₁₆ in. ³ / ₈ in.	6 to 48 in.	9/16 in.	⁷ / ₁₆ in.	Cast Bronze
*3408	5 x1¾ in.	½ in. sq.		6 to 48 in.	l in.	³ / ₄ in.	Cast Bronze
3409	7½x2½ in.	5% in. rd.		6 to 48 in.	l ½ in.	l ¹ / ₈ in.	Cast Bronze

*No. 3408 Bolt can be furnished with loose handle if specified.

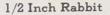
Length of rod is distance from center of handle to end of head. Specify length of rod.

Dust proof strikes furnished to special order. Refer to Page No. 444.

Packed each in a box with screws—rods seperate.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

DUTCH DOOR BOLT



CAST BRONZE OR BRASS

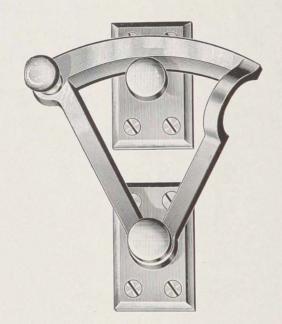
Number	Plate, Inches	Lip, Inches	Strike, Inches
3455	71/4x11/4	1 7/8	1 1/4×2

Specify hand of door.

Packed 1 in a box, with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

DUTCH DOOR QUADRANT



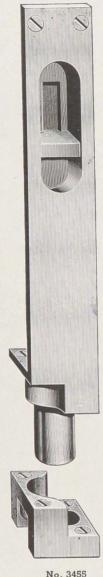
No. 3460-Right Hand

CAST BRONZE OR BRASS

Number	Size, Inches	Plates, Inches	
3460	51/2×41/2	23/8x1 1/2	

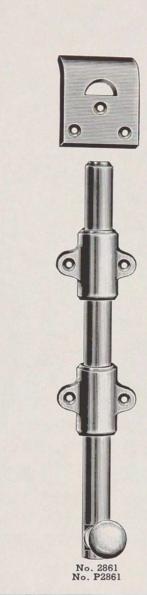
Packed 1 in a box with screws.

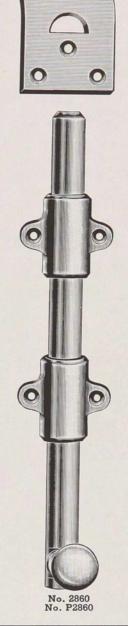
Specify hand of door.

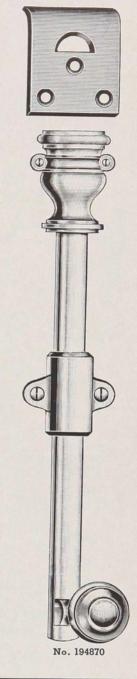


No. 3455 Left Hand

SURFACE BOLTS







Number	Number Length		Rod		Guides	
rumber	Inches	Width, Inches	Material	Width, Inches	Material	
2860 P2860 2861 P2861 2862 P2862 194870	6-9-12-18-24-30 6-9-12-18-24-30 4-6-9-12-18-24-30 4-6-9-12-18-24-30 3-4-6-9-12 3-4-6-9-12 9-12-18-24-30	5/8 5/8 1/2 1/2 1/2 3/8 3/8 5/8	Half Round Bronze Half Round Steel Half Round Bronze Half Round Steel Half Round Bronze Half Round Steel Half Round Steel Half Round Bronze	1 5/8 1 5/8 1 3/8 1 3/8 1 3/4 1 3/4	Cast Bronze Cast Iron Wrought Bronze Wrought Steel Wrought Bronze Wrought Steel Cast Bronze	

Packed—Nos. 2862, 2861 and 2860 packed regular, with 4 and 9 strikes. For other types see Page No. 444. Specify length wanted. Packed—Nos. 2862, 2861 and 2860, up to and including 18", packed 1 dozen in a box, with screws. Longer lengths wrapped in real-

No. 194870 has No. 194010½—1¼" Billingham knob. The following design 1¼" knobs can be substituted in place of Billingham: 137010½ Foxboro, 172012½ Belview, 174010½ York, 181010½ Bangor, 182010½ Wingate, 183010½ Arlington, and 184010½ Hanley, by changing the first three figures 194 to the first three figures as given above. Specify other types of strikes. Refer to Page No. 444. Specify Number and Finish. Refer to Page No. 36 for description of finishes. Packed: All bolts over 15 inches are furnished with two guides.

No. 2862 No. P2862

SURFACE AND CREMONE BOLT STRIKES

FOR CASEMENT SASH OR DOORS



No. 1 Opening In



No. 5 Opening In







No. 3 Opening Out or In



No. 4 Opening In



Opening In



Opening In



No. 8 Opening Out or In For Cement



No. 9 Opening Out



No. 10 Opening Out



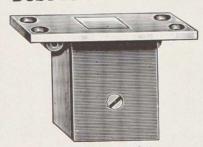
No. 11 Opening Out



No. 12 Opening Out or In

All of the above types of strikes are made with 3/8, 1/2 or 5/8 inch openings. Specify number of bolt, strike is to be used with. If the types of strikes shown above do not meet the conditions required, send detail drawing of sash or door.

DUST PROOF STRIKES



Nos. 40401/2 and 40403/4

STRIKE FOR CEMENT

TO BE USED WITH FLUSH BOLTS



No. 4042

CAST BRONZE OR BRASS

			F D-14
Number	Face	Case	For Bolt
4040 ½ 4040 ¾	33/8xl ½ in. 33/8xl ½ in.	1 1/4 x 2 x l in. 1 1/4 x 2 x l in.	½ in. Head ¾ in. Head

Packed as ordered, with screws. Specify Number and Finish.

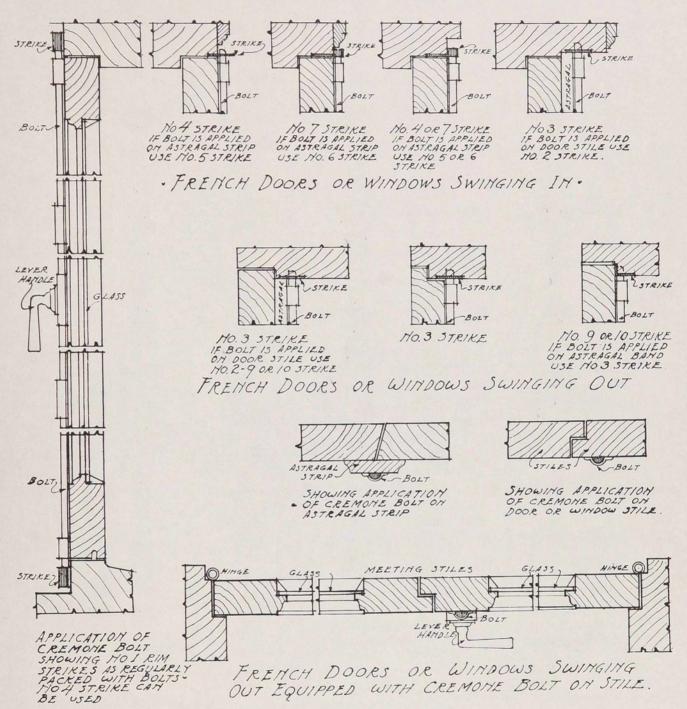
Refer to Page No. 36 for description of finishes.

CAST BRONZE OR BRASS

Number	Face	Case	
4042	13/4x11/4 in.	7/8x1 1/8x 7/8 in.	

Specify Number or size of bolt head to be used with this strike.

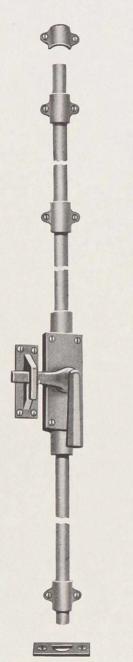
APPLICATION OF CREMONE BOLT STRIKES

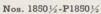


· CREMONE BOLT STRIKES SHOWING APPLICATION.

WHEN ORDERING CREMONE BOLTS SPECIFY &
HEIGHT OF DOOR OR WINDOW.
WIDTH OF STILE OR ASTRAGAL.
HAND OF DOOR OR WINDOW TAKEN FROM INSIDE OR THE SIDE ON HAND OF DOOR OR WINDOW TAKEN FROM INSIDE OR THE SIDE ON WHICH THE CREMONE BOLT IS APPLIED, AND SPECIFYING WHETHER IT OPENS IN OR OUT
DISTANCE FROM BOTTOM OF DOOR OR WINDOW TO CENTER OF LEVER OR KNOS...
IF SPECIAL STRIKES ARE REQUIRED SEND DETAIL OF HEAD, SILL AND MEETING STILES.
WHEN ORDERING STRIKES SEPARATELY SPECIFY THE NUMBERS OF THE CREMONE BOLTS WITH WHICH THEY ARE TO BE USED

CREMONE BOLTS







Nos. 860-P860



Nos. 8601/2-P8601/2

Number	Case Width, Inches	Knob Inches	Lever Inches	*Projection Inches	Material	Wrought Rod ½ Round Inch
1850 ½ P1850 ½ 860 P860 860 ½ P860 ½	1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼	2 x1 ¼ 2 x1 ¼	2½ 2½ 2½ 2½ 2½	25% 25% 13% 13% 25% 25%	Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Bronze Cast Iron	5%, Bronze 5%, Steel ½, Bronze ½, Steel ½, Bronze ½, Steel

Packed, rods wrapped, balance in a box, complete with screws.

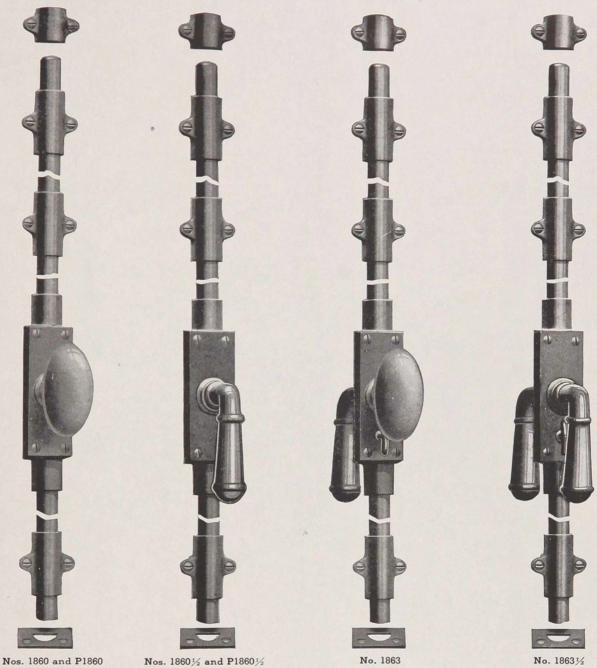
^{*}Projection is distance from face of door or sash to highest point of knob or lever. Throw 3/4 inch.

Specify height of door or sash and give distance from bottom to center of knob or lever.

Strikes Nos. 1 and 2 are regularly furnished with above bolts. If other strikes are required, must be specified.

Refer to Page No. 444. Guides are furnished every two feet of rod. Other lever handles can be substituted at difference in price. Refer to Pages No. 424 to 428 inclusive. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CREMONE BOLTS



Number	Case Width Inches	Knob Inches	Lever Inches	*Projection Inches	Material	Wrought Rod Half Round
1860 P1860 1860 ½ P1860 ½ †1863 ½	1 3/4 1 3/4 1 3/4 1 3/4 1 3/4	25/8x1 ½ 25/8x1 ½ 25/8x1 ½	3¼ 3¼ 3¼ 3¼ 3¼	23/8 23/8 23/8 23/8 23/8 23/8	Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Bronze Cast Bronze	5% in., Bronze 5% in., Steel 5% in., Bronze 5% in., Steel 5% in., Bronze 5% in., Bronze

*Projection is distance from face of door or sash to highest point of knob or lever.

Specify height of door or sash and give distance from bottom to center of knob or lever. Throw ¾ Inch.

Strikes Nos. 1 and 2 are regularly furnished with above bolts. If other strikes are required, must be specified.

Refer to Page No. 444. Guides are furnished for every two feet of rod.

Packed, rods wrapped, balance in a box, complete with screws.

Other lever handles can be substituted at difference in price. Refer to Pages Nos. 424 to 428, inclusive.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

†Turn knob, deadlocks outside lever handle.

CREMONE BOLTS



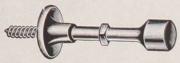




Number Ca	ase	Knob	*Projection	Material	Wrought Rod	
Number	Length, Inches	Width, Inches	Inches	Inches	Material	W lought Rod
1821 P1821 1824 1826	6 6 6 6 6 5 8	1 7/8 1 7/8 1 3/8 1 1/2	3 3 25/8xl 1/4 25/8xl 1/4	25/8 25/8 23/2 25/8	Cast Bronze Cast Iron Cast Bronze Cast Bronze	3/8 in. Rd. Bronze 3/8 in. Rd. Steel 5/8 in. Bronze 5/8 in. Bronze

^{*}Projection is distance from face of door to highest point of handle or knob. Specify height of door and give distance from bottom of door to center of handle or knob. Strikes as shown will be furnished unless otherwise specified. Refer to Page No. 444. Guides are furnished for every two feet of rod. Packed, rods wrapped, balance in a box with screws. Other lever handles can be substituted at difference in price. Refer to Pages No. 424 to 428 inclusive. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

DOOR STOPS



Nos. 1616 and P1616



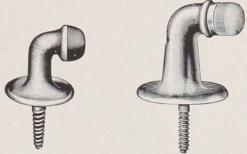
Nos. 1617 and P1617



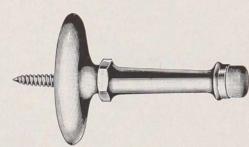
Nos. 1812 and P1812 Type Nos. 1812¾ and P1812¾ Type Nos. 1812½ and P1812½



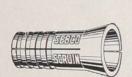
Nos. 16171/2 and P16171/2



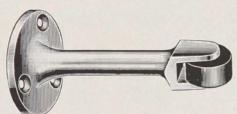
Nos. 161734 and P161734 | W. [Nos. 1618 and P1618



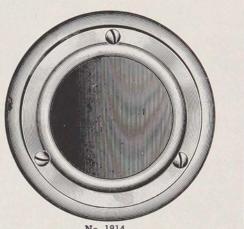
No. 1811



Type of Lead Expansion Shield furnished with all door stops



No. 1813—4"
Type No. 1813½—6"



No. 1814 Type No. 1814½

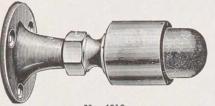
	se Projection or Heighes Inches	ght Attached With	Material
1617¾ P1617 P1617½		Wood Screw Lead Expansion Iron Expansion	Cast Bronze—Rubber Tip Cast Iron—Rubber Tip Cast Bronze—Rubber Tip Cast Bronze—Rubber Tip Cast Bronze—Rubber Tip Cast Iron—Rubber Tip Cast Bronze—Rubber Tip Cast Iron—Rubber Tip Cast Bronze—Rubber Roller Cast Bronze—Rubber Roller Cast Bronze—Rubber Roller Cast Bronze—Rubber Insert Cast Bronze—Rubber Insert

^{*}Can be furnished in the following projections: 4'', $4\frac{1}{2}''$, 5'', $5\frac{1}{2}''$ and 6''.

If lead expansion shields are wanted with any stop not listed with same, add "34" as a suffix to number.

Packing—All numbers except Nos. 1813 and 1814 Series, 1 dozen in a box. No. 1814 Series, 2 in a box. No. 1813 Series, 3 in a box. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

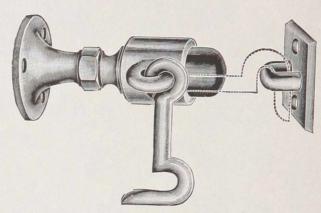
DOOR STOPS AND HOLDERS



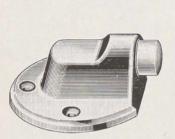
No. 4316 Half Size



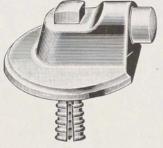
No. 4316½ Quarter Size



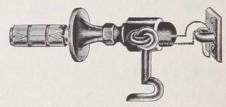
No. 4326 Right Hand Half Size



No. 4318 Half Size



No. 4318½ Half Size



No. 4326½ Right Hand Quarter Size



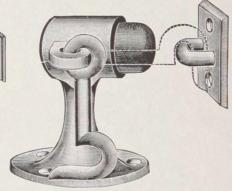
No. 4317 Half Size



No. 43171/2 Quarter Size



No. 4327½ Right Hand Quarter Size

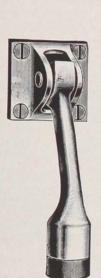


No. 4327 Right Hand Half Size

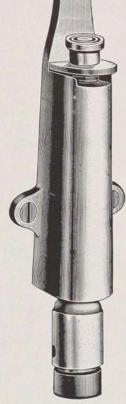
Number	Base Inches	Projection or Height Inches	Attached With	Material
4316 4316 ¹ / ₂ 4317 ¹ / ₂ 4318 ¹ / ₂ 4318 ¹ / ₂ *4326 *4326 ¹ / ₂ *4327 ¹ / ₂	2 ¼ 2 ¼ 2 ¾ 2 ¾ 4 4 2 ¼ 2 ¼ 2 ¼ 2 ¾ 2 ¾ 2 ¾ 2 ¾	33/4 33/4 33 3 2 2 2 33/4 33/4 33/4	Wood Screws Iron Expansion Wood Screws Iron Expansion Wood Screws Lag Screw Wood Screws Iron Expansion Wood Screws Iron Expansion	Cast Brass—Rubber Tip

^{*}These holders are made right or left hand. Specify hand wanted. Right hand furnished regular. Stops and holders with expansion shields have 3/8" studs. Shields are 7/8" diameter. Plates of hooks are 2"x1½". Packing—Nos. 4316, 4316½, 4317 and 4326, 6 in a box. All others, 3 in a box, with screws or expansion shields. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

DOOR HOLDERS



Nos. 4330 and P4330 Type Nos. 4332 and P4332



Nos. 4346 and P4346 Type Nos. 4347 and P4347

Size of Base

Inches

1 1/2 x 1 1/2

1½x1½ 2 x2 2 x2



Slove S		
	Material	
	Cast Bronze—Rubber Tip Cast Iron—Rubber Tip	
	Cast Bronze—Rubber Tip Cast Iron—Rubber Tip	

Number

4330

P4330 4332 P4332

Packed 6 in a box, with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Length

Inches

455

ADJUSTABLE BALL TYPE

Number	Length, Body Inches	Diameter, Body Inches	Size of Top Inches	Material
4340	21/4	23/8	2½x2½x1¼	Iron Body, Cast Bronze Top, Steel Ball

Packed 1 in a box.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

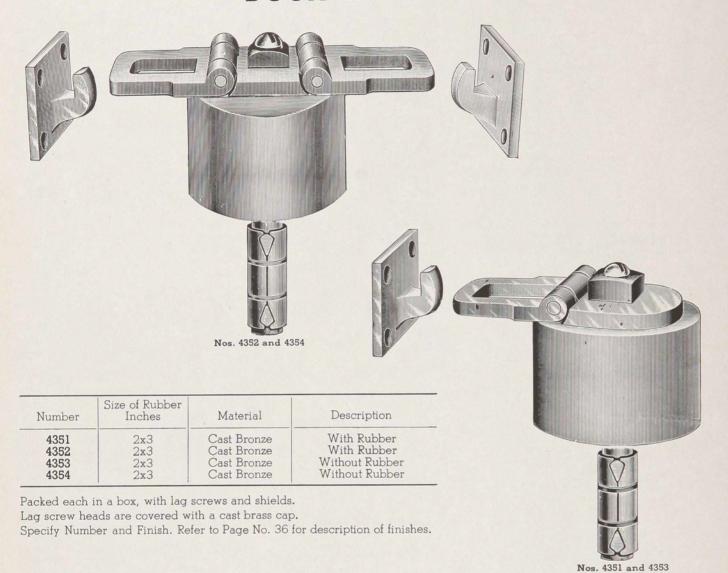
Number	Size, Inches	Throw, Inches	Projection, Inches	Material
4346	7¼x2½	15/8	1 1/4	Cast Bronze—Rubber Tip
P4346	7¼x2½	15/8	1 1/4	Cast Iron—Rubber Tip
4347	9 x25%	21/8	1 1/2	Cast Bronze—Rubber Tip
P4347	9 x25%	21/8	1 1/2	Cast Iron—Rubber Tip

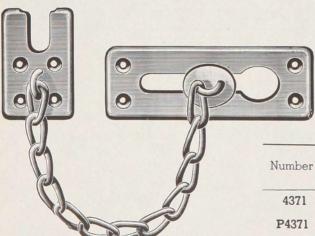
Packed 3 in a box, with screws.

When ordering rubbers only, be sure to specify holder number.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

DOOR HOLDERS





No. 4371 and P4371

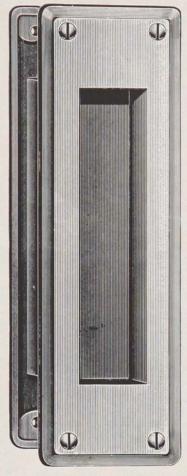
CHAIN DOOR GUARDS

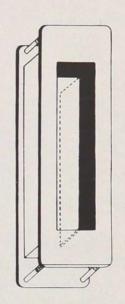
Number	Size Plate Inches	Size of Hanging Plate Inches	Length of Chain Plate to Plate Inches	Material
4371	13/8x4	13/8x21/8	73/4	Wrought Brass
P4371	13/8x4	1 3/8x2 1/8	73/4	with Brass Chain Wrought Steel with Steel Chain

Packed ½ dozen in a box, with screws.

LETTER BOX PLATE WITH CHUTE

GOVERNMENT STANDARD OPENING





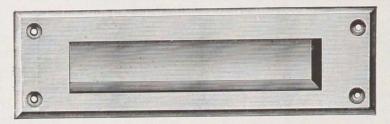
No. 162551

Number	Front	Plate	Back Plate	Material	
Number	Size	Opening	- Dack Flate	Material	
162551	10½x2 ¹⁵ / ₁₆ in.	7x1½ in.	97/8x2 ¹⁵ / ₁₆ in.	Cast Bronze	

Specify thickness of door. Furnish regular for 1¾ in. door. Attached with wood machine screws or through bolts. Be sure to Specify type wanted. Can be furnished in several cast designs. Wrought metal chute will be furnished regular. Packed each in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

LETTER BOX PLATES AND HOODS



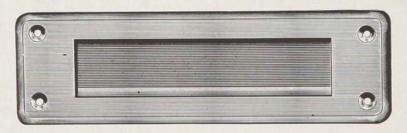
No. 161450—Front Plate Only No. 161451—Front Plate with Back Plate No. 161452—Front Plate with Hood (Illustration one-half size)



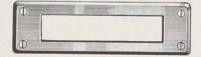
Back Plate for No. 161451 (Illustration one-quarter size)



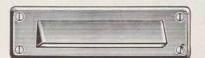
Hood for No. 161452 (Illustration one-quarter size)



Nos. 162450 and 162450½—Front Plate Only Nos. 162451 and 162451½—Front Plate with Back Plate Nos. 162452 and 162452½—Front Plate with Hood (Illustration one-half size)



Back Plates for Nos. 162451 and 162451 ½ (Illustration one-quarter size)



Hoods for Nos. 162452 and 162452½ (Illustration one-quarter size)

Number	Front Plate		Packed with Back Plate	Packed with Hood	Material
Number	Size	Opening	Size	Size	Malella
161450 161451 161452 162450 162451 162452 162450 ½ 162451 ½ 162451 ½	2 x7 in. 2 4x7 1/2 in. 2 1/4x7 1/2 in. 2 1/4x7 1/2 in.	1 x4¾ in. 1 1 x4¾ in. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	None 2 x7 in. None None 2 x7 in. None 2 x7 in. None None 2 1/4 x 7 1/2 in. None	None None 2 x7 in. None None 2 x7 in. None 2 x7 in. None None 2 x7 in.	Cast Bronze

If ornamental letter box plates are wanted see cast designs.
Front plates packed 2 in a box, all others each in a box with screws.
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

LETTER BOX PLATES AND HOODS

GOVERNMENT STANDARD OPENINGS



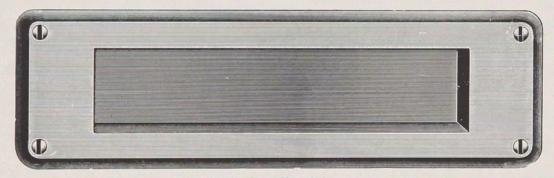
No. 161450¾—Front Plate Only No. 161451¾—Front Plate with Back Plate No. 161452¾—Front Plate with Hood (Illustration one-half size)



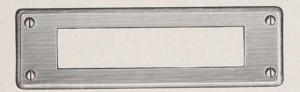
Back Plate for No. 1614513/4 (Illustration one-quarter size)



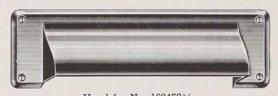
Hood for No. 1614523/4 (Illustration one-quarter size)



No. 162450¾—Front Plate Only No. 162451¾—Front Plate with Back Plate No. 162452¾—Front Plate with Hood (Illustration one-half size)



Back Plate for No. 1624513/4 (Illustration one-quarter size)



Hood for No. 1624523/4 (Illustration one-quarter size)

Number	Front Plates		Packed with *Back Plate	Packed with Hood	Material
Number	Size	Opening		Size	
16145034 16145134 16145234 16245034 16245134 16245234	2½x 9¼ in. 2½x 9¼ in. 2½x 9¼ in. 3 x10 in. 3 x10 in. 3 x10 in.	1½x7 in. 1½x7 in. 1½x7 in. 1½x7 in. 1½x7 in. 1½x7 in.	None 2½x 9¼ in. None None 3 x10 in. None	None None 2½x 9¼ in. None None 3 x10 in.	Cast Bronze

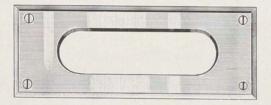
Government size letter box plates are also made in other cast designs.

Packed each in a box, complete with screws.

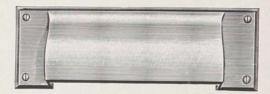
LETTER BOX PLATES AND HOODS



Nos. 161450L and P161450L—Front Plates Only Nos. 161451L and P161451L—Front Plates with Back Plates Nos. 161452L and P161452L—Front Plates with Hoods (Illustration one-half size)



Back Plate for Nos. 161451L and P161451L (Illustration one-quarter size)



Hood for Nos. 161452L and P161452L (Illustration one-quarter size)

Number	Front	Plate	Packed with Back Plate	Packed with	Material
rumber	Size	Opening	Size	Hood Size	
161450L P161450L 161451L P161451L 161452L P161452L	4x10½ in. 4x10½ in. 4x10½ in. 4x10½ in. 4x10½ in. 4x10½ in.	2x7 in.	None None 4x10½ in. 4x10½ in. None None	None None None None 3½x10½ in. 3½x10½ in.	Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Iron

No. 161450L, 161451L and 161452L can be furnished with plain flap in place of word "papers" if wanted. If ornamental letter box plates are wanted see cast designs.

Front plates packed 2 in a box, all others, each in a box with screws.

LETTERS AND NUMERALS















No. 31

No. 311/2

No. 32

No. 43 Type No. 44

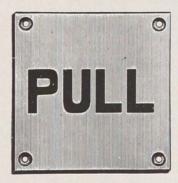
Number	Size	Letters	Material	Number	Size	Numerals	Material
			Cast Bronze Cast Bronze Cast Bronze	31 31½ 32 43 44	1 in. 1½ in. 2 in. 3 in. 4 in.	0 to 9 0 to 9 0 to 9 0 to 9 0 to 9 0 to 9	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze

Packed, Nos. 43 and 44, 1 dozen in a box with screws. Can be furnished with pins on back for driving by specifying. Packed, Nos. 21 to 32, 1 dozen in a box with pins on back for driving. Can be furnished with wood screws by specifying. Specify type wanted, also letters and numerals.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

SMALL PUSH AND PULL PLATES









No. 951/2

No. 95

No. 92—Pull No. 92½—Push

No. 91½—Push No. 91—Pull

Number	Size	Material
91 91½ 92 92½ 95 95½	4 xl ¼ inches 4 xl ¼ inches 1 ¼x4 inches 1 ¼x4 inches 3 x3 inches 3 x3 inches	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze

Packed 1 dozen in a box.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

NAME PLATES

RAISED LETTERS AND BORDER, MATTED SURFACE



No. 4501



No. 4501



No. 4502



No. 4503 Type 4504

CAST BRONZE

	Letters		tters	Number	Size	Numerals	
Number	Size Inches	Height Inches	Maximum Number	Number	Inches	Height Inches	Maximum Number
4501 4502 4503 4504	2½x10 2½x12 3¼x10 3¼x10	1 ½ 1 1 1	Six Ten Fourteen Nineteen	4505 4506	2 1/4 x 3 3/4 2 x 3 3/4	1 1/2	Two Three

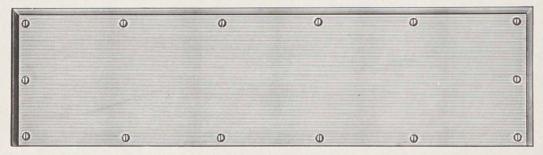
PLATES IN STOCK—Others to Special Order. No. 4505 and 4506 Not Illustrated

No. 4501 BATH BOYS GIRLS LADIES MEN OFFICE PRINCIPAL WOMEN No. 4502 AUDITORIUM CAFETERIA GYMNASIUM LIBRARY No. 4503
BOYS' LOCKER
GENERAL OFFICE
GENERAL SCIENCE
GIRLS' LOCKER
HEALTH ROOM
LOCKER ROOM
PRIVATE OFFICE
TEACHERS' ROOM

No. 4504
BOYS' INSTRUCTOR
CHEMISTRY LABORATORY
GIRLS' INSTRUCTOR

Plates With Two Words Have Two Lines.

KICK PLATES

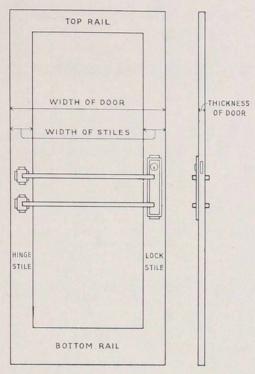


Nos. 2408 to B2416

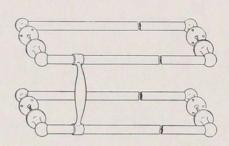
Number	Gauge	Decimal Thickness, Inch	Material	Packed
2408 B2408 2412 B2412 2414 B2414 2416 B2416	No. 8—B & S No. 8—B & S No. 12—B & S No. 12—B & S No. 14—B & S No. 14—B & S No. 16—B & S No. 16—B & S	0.128—½8 0.128—½8 0.081—1/12 0.081—1/12 0.064—½6 0.051—1/20 0.051—1/20	Wrought Bronze or Brass—Square Edge Wrought Bronze or Brass—Beveled 3 Sides Wrought Bronze or Brass—Square Edge Wrought Bronze or Brass—Beveled 3 Sides Wrought Bronze or Brass—Square Edge Wrought Bronze or Brass—Beveled 3 Sides Wrought Bronze or Brass—Beveled 3 Sides Wrought Bronze or Brass—Beveled 3 Sides	Oval Head Screws

Square edge plates are furnished unless otherwise stated.

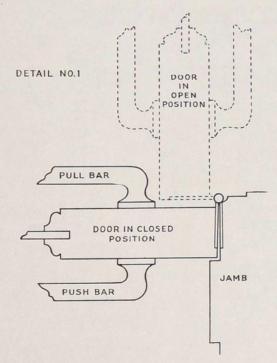
DETAILS FOR PUSH AND PULL BARS



Outside Bars Attached with Through Bolts Inside Bars Attached with Wood Screws

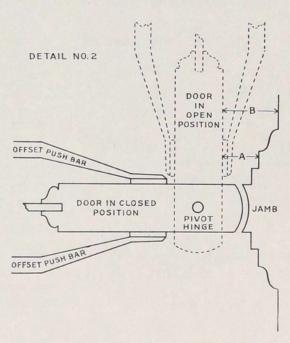


Showing application of push and pull bars in sets with outside bars applied with through bolts and inside bars with wood screws.



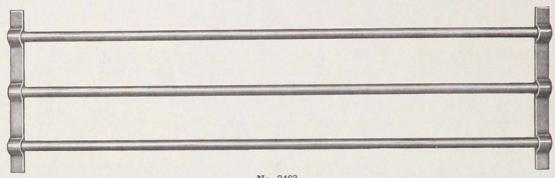
Showing hinge stile of single acting door, using regular push and pull bars. If regular bar will not clear jamb then offset bracket must be specified on hinge stile.

Send detail, giving measurements A and B as shown in detail, No. 2.



Showing hinge stile with push bars with offset brackets to clear jamb. Send detail, giving measurement, \bar{A} and \bar{B} .

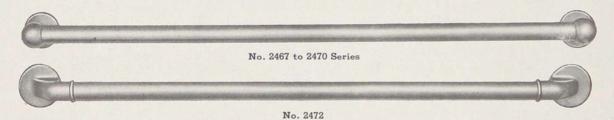
PUSH BARS



No. 2463 Type Nos. 2461 to 2466

		Round Wrough	Cast Bronze	Standards		
Number	Number of Bars	Diameter Inches	Projection Inches	Clearance Inches	Length Inches	Width Inches
2461 2462 2463 2464 2465 2466	1 2 3 4 5 6	5/8 5/8 5/8 5/8 5/8 5/8 5/8	1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½	1/2 1/2 1/2 1/2 1/2 1/2 1/2	3 6 9 12 15 18	3/4 3/4 3/4 3/4 3/4 3/4

Brackets furnished with wood screws. Specify length, center to center of brackets. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



	Round Wrough	nt Bars—Bronze	Cast Bronze	Standards
Number	Diameter Inches	Clearance Inches	Diameter of Base Inches	Projection Inches
2467 2468 2469 2470 2472	3/4 1 1 1/4 1 1/2	13/8 13/8 13/8 13/8	2 2 2 1/4 2 1/4	23/8 25/8 27/8 31/8

Specify length center to center of brackets.

All bars furnished with wood screws, unless specified with through bolts. If wanted with through bolts, specify thickness of doors. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



No. 2473-Right Hand

Number	Size of Bar Inches	Width at ''Push'' Inches	Width of Base Inches	Clearance	Material
2473	7/8x 1/2	23/4	1 1/8	None	Cast Bronze

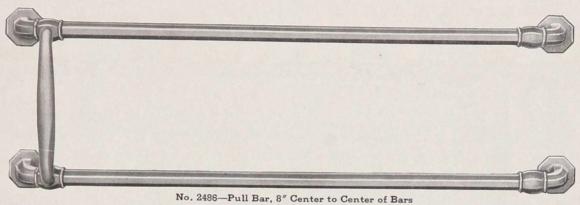
Not reversible. Specify hand described on Page No. 43.

Specify length center to center of through bolt holes.

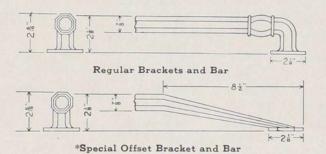
These bars are furnished regularly with through bolts for single or double acting doors.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.





No. 2487—Set Consisting of Two No. 2485 Push Bars for One Side of Door One No. 2486 Pull Bar for Opposite Side of Door



	Octagon Drawn Bronze Tubing				Cast Bronze Standards			
Number	Size Inches, Oct.	Projection Inches	Clearance Inches	Size Inches	Projection Inches	Clearance Under Grip, In.		
2485 2486 2487	7/8 7/8 7/8	2½ 2½ 2½ 2½	1 1/4 1 1/4 1 1/4	2½x2½ 2½x2½ 2½x2½	2½ 2½ 2½ 2½	2½ 2½		

No. 2485 is furnished with wood screws unless specified with through bolts.

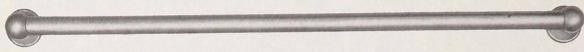
No. 2486 is furnished with 2-inch, 12-24 F. H. bronze through bolts unless otherwise specified.

Specify length, center to center, and give thickness of door when through bolts are required.

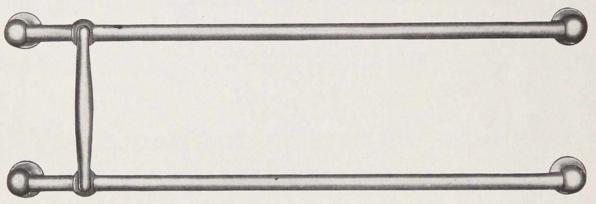
*Offset bracket for hinge side of door can be furnished, 6½ inches and 8½ inches. Other offsets, special, send drawing of door and jamb. Suffix ½ to number, and specify length of offset.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Illustrations One-sixth Size 461



No. 2491—Single Push Bar Government Standard



No. 2492—Pull Bar, 8" Center to Center of Bars Government Standard

No. 2493-Set

Two No. 2491 Push Bars for Push Side of Door One No. 2492 Pull Bar for Pull Side of Door

	Round	Cast Bronze Standards				
Number	Diameter	Projection	Clearance	Diameter of Base	Projection	Clearance
	Inches	Inches	Inches	Inches	Inches	Under Grip, In.
2491	1	23/8	13/8	2	25/8	3 3
2492	1	23/8	13/8	2	25/8	
2493	1	23/8	13/8	2	25/8	

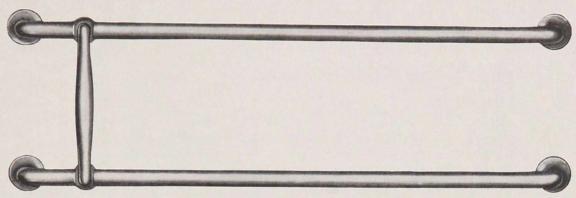
No. 2491 is furnished with wood screws unless specified with through bolts.

No. 2492 is furnished with 2-inch, 12-24 F. H. bronze through bolts unless otherwise specified.

Specify length, center to center, and give thickness of door when through bolts are required.

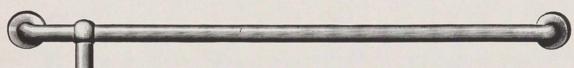


No. 2474-Single Push Bar



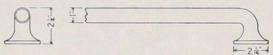
No. 2475-Pull Bar, 8" Center to Center of Bars

No. 2476—Set
Two No. 2474 Push Bars for Push Side of Door
One No. 2475 Pull Bar for Pull Side of Door

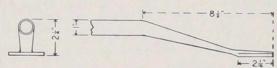


No. 2474D-Single Pull Bar With Drop Bar

Drop Bar Same Length as Cross Bar Unless Otherwise Specified Cut for Right Hand Reverse Door



Regular Brackets and Bar



*Special Offset Bracket and Bar

	Round	Drawn Bron	Cast Bronze Standards		
Number	Size Inches	Projection Inches	Clearance Inches	Size Inches	Clearance Under Grip, In.
2474 †2474D 2475 2476	1 1 1 1	2 ½ 2 ½ 2 ¼ 2 ¼ 2 ¼	1 ½ 1 ¼ 1 ¼ 1 ¼ 1 ¼	2 2 2 2	1 1/4 1 1/4

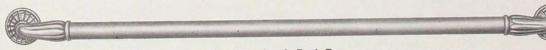
No. 2474 is furnished with wood screws, unless specified with through bolts.

Nos. 2474D and 2475 are furnished with 2 inch, 12-24 FH Bronze through bolts, unless otherwise specified.

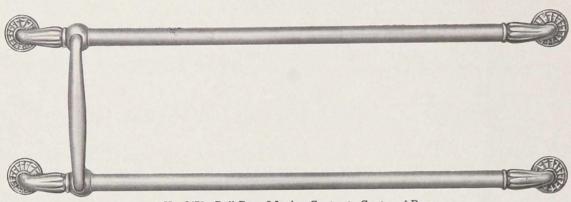
Specify length, center to center and give thickness of door when through bolts are specified.

†Specify length of drop bar.

*Offset brackets for hinged side of door can be furnished, 6½ inches and $8\frac{1}{2}$ inches. Other offsets, special, send drawing of door and jamb. Suffix $\frac{1}{2}$ to number and specify length of offset.



No. 2477 -Single Push Bar



No. 2478—Pull Bar—8 Inches Center to Center of Bars

No. 2479—Set Consisting of Two, No. 2477 Push Bar For Push Side of Door One, No. 2478 Pull Bar For Pull Side of Door





2477D—Single Pull Bar With Drop Bar

Drop Bar, Same Length as Cross Bar Unless Otherwise Ordered Cut For Right Hand Reverse Door

	Rd. Dra	wn Bronze	e Tubing	Cast Bronze Standards			
No.	Size In.	Projection In.	Clear- ance In.	Size In.	Projection In.	Clearance Under Grip, In.	
2477 *2477D 2478 2479	1 1 1 1	2 2 2 2 2	1 1 1 1	2 1/8 Dia. 2 1/8 Dia. 2 1/8 Dia. 2 1/8 Dia. 2 1/8 Dia.	2½8 2½8 2½8 2½8	23/8 23/8	

No. 2477 is furnished with wood screws, unless specified with through bolts.

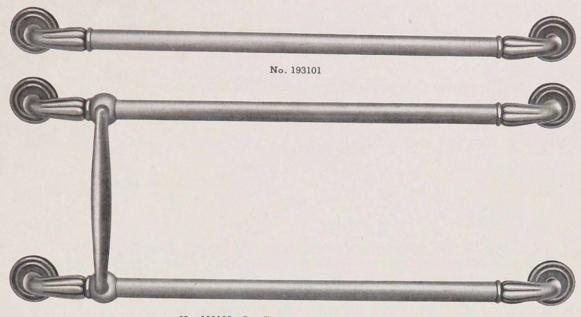
Nos. 2477D and 2478 are furnished with 2 inch, 12-24 FH bronze through bolts, unless otherwise specified.

Specify length, center to center and give thickness of door when through bolts are required.

*Specify length of drop bar and hand.

Offset brackets for hinge side of door can be furnished, $6\frac{1}{2}$ inches and $8\frac{1}{2}$ inches, other offsets, special. Send drawing of door and jamb. Suffix $\frac{1}{2}$ to number and specify length of offset.

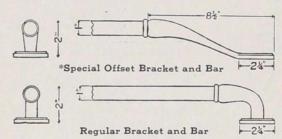




No. 193102—Set Consisting of Two, No. 193101 Push Bar For Push Side of Door One, No. 193102 Pull Bar For Pull Side of Door



Single Pull Bar With Drop Bar
Drop Bar, Same Length as Cross Bar Unless Otherwise Ordered
Cut For Right Hand Reverse Door



No.	Rd. Dr	awn Bronz	e Tubing	Cast Bronze Standards			
	Size In.	Projection In.	Clear- ance In.	Size In.	Projection In.	Clearance Under Grip, In.	
193101 †193101D 193102 193110	1 1 1	2 2 2 2	1 1 1 1	2 ¼ Dia. 2 ¼ Dia. 2 ¼ Dia. 2 ¼ Dia. 2 ¼ Dia.	2 2 2 2	2¼ 2¼ 2¼	

 $\ensuremath{\text{No.}}\xspace$ 193101 is furnished with wood screws, unless specified with through bolts.

Nos. 193101D and 193102 are furnished with 2-inch, 12-24 FH bronze through bolts, unless otherwise specified.

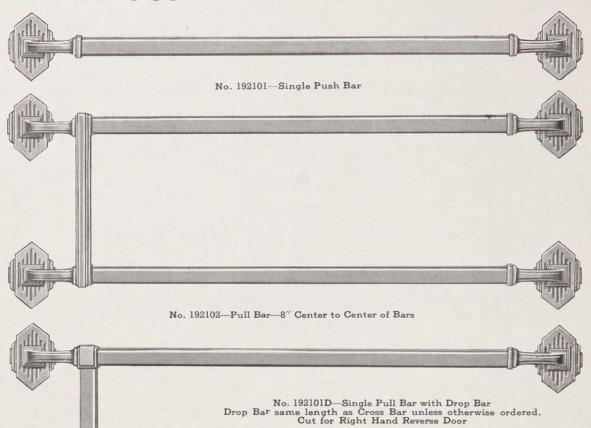
Specify length, center to center and give thickness of door when through bolts are required.

†Specify length of drop bar and hand.

*Offset brackets for hinge side of door can be furnished, send drawing of door and jamb. Suffix ½ to number.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Illustrations One-sixth Size 465



No. 192110—Set consisting of:

Two No. 192101 Push Bars for push side of door. One No. 192102 Pull Bar for pull side of door.

Number	*Square	Drawn Bron	nze Tubing	Cast Bronze Standards			
	Size Inches	Projection Inches	Clearance Inches	Size Inches	Projection Inches	Clearance Under Grip Inches	
192101 †192101D 192102 192110	1 1 1 1	2½ 2½ 2½ 2½ 2½	1 ½ 1 ½ 1 ½ 1 ½ 1 ½	33/4x25/8 33/4x25/8 33/4x25/8 33/4x25/8	23/4	2 2	

No. 192101 is furnished with wood screws unless specified with through bolts.

Nos. 192101D and 192102 are furnished with 2 inch 1224FH bronze through bolts unless otherwise specified.

Plates used are 192 (Roswell) Design. If 191 (Nilwood) Design is wanted, prefix 191 in place of 192 to above numbers. The size of plates will vary slightly from those given.

*The square tubing has slightly rounded edges.

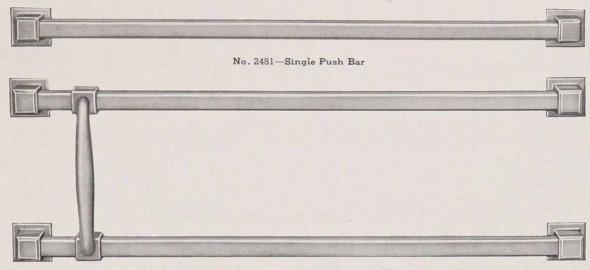
Specify length center to center and give thickness of door when through bolts are required.

†Specify length of drop bar.

Offset brackets for hinged side of door can be furnished. $6\frac{1}{2}$ inches and $8\frac{1}{2}$ inches. Other offsets, special. Send drawing of door and jamb. Suffix $\frac{1}{2}$ to number and specify length of offset.

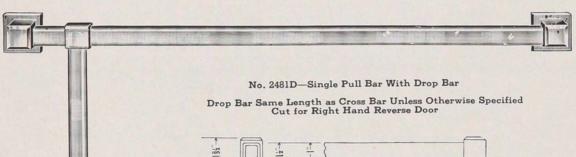
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

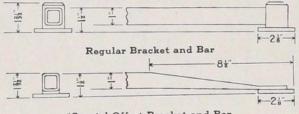




No. 2482-Pull Bar, 8 Inches Center to Center of Bars

No. 2483—Set Containing Two, No. 2481 Push Bar for Push Side of Door One, No. 2482 Pull Bar for Pull Side of Door





*Special Offset Bracket and Bar

	‡Sq. Dr	awn Bron	ze Tubing	Cast Bronze Standards			
No.	Size In.	Projection In.	Clear- ance In.	Size In.	Projection In.	Clearance Under Grip, In.	
2481 †2481D 2482 2483	1 1 1 1	1 ½ 1 ½ 1 ½ 1 ½ 1 ½	1/2 1/2 1/2 1/2 1/2	2 ½x2 ½ 2 ½x2 ½ 2 ½x2 ½ 2 ½x2 ½ 2 ½x2 ½	1 3/4 1 3/4 1 3/4 1 3/4	1 7/8 1 7/8	

No. 2481 is furnished with wood screws unless specified with through bolts.

Nos. 2481D and 2482 are furnished with 2 inch 12-24 FH bronze through bolts, unless otherwise specified.

†The square tubing has slightly rounded edges.

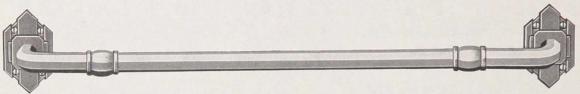
Specify length center to center and give thickness of door when through bolts are required.

†Specify length of drop bar.

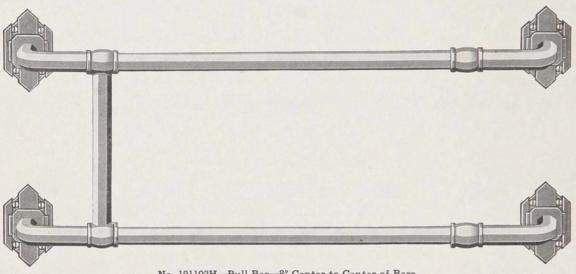
*Offset brackets for hinge side of door can be furnished, 61/2 inches and 8½ inches. Other offsets, special. Send drawing of door and jamb. Suffix ½ to number, and specify length of offset.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

467 Illustrations One-sixth Size



No. 191101H Single Push Bar



No. 191102H—Pull Bar—8" Center to Center of Bars
No. 191110H Set Consisting of:
Two No. 191101H Push Bar for Push Side of Door
One No. 191102H Pull Bar for Pull Side of Door

	Octag	on Drawn Bronze T	ubing	Cast Bronze Standards			
Number	Size Inches	Projection Inches	Clearance Inches	Size Inches	Projection Inches	Clearance Under Grip, Inches	
191101H 191102H 191110H	7/8 7/8 7/8	2 ¼ 2 ¼ 2 ¼ 2 ¼	1 1/4 1 1/4 1 1/4	4 x 2 ½ 4 x 2 ½ 4 x 2 ½	2 ½ 2 ½ 2 ½ 2 ½	11/4	

No. 191101H is furnished with wood screws, unless specified with through bolts.

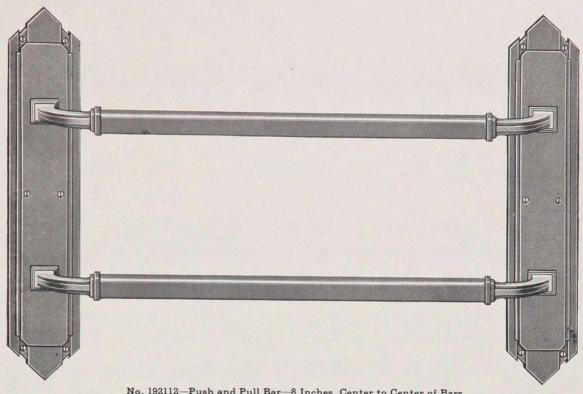
No. 191102H is furnished with 2 inch, 12-24 FH bronze through bolts, unless otherwise specified.

Plates used are, 191 (Nilwood) design, if 192 (Roswell) design is wanted, prefix 192 in place of 191 to above numbers. The size of the plates will vary slightly from those given.

Specify length, center to center and give thickness of door when through bolts are required.

Offset brackets for hinged side of door can be furnished, send drawing of door and jamb. Suffix $\frac{1}{2}$ to number.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



No. 192112—Push and Pull Bar—8 Inches, Center to Center of Bars No. 192114—Push and Pull Bar—8 Inches, Center to Center of Bars

	Squ	uare Drawn Bronze Tu	Cast Bronze Standard and Plates		
Number	Size Inches	Projection Inches	Clearance Inches	Size Inches	Projection Inches
192112 192114	1 1	2½ 2½	1 1/2 1 1/2	18 x 3½ 18 x 3½	23/ ₄ 23/ ₄

No. 192112 is furnished with wood screws.

No. 192114 is furnished with 2 inch, 12-24 FH bronze through bolts.

Plates used are 192 (Roswell) design. Plates from other designs can be substituted.

Specify length, center to center and give thickness of door if through bolts are required.

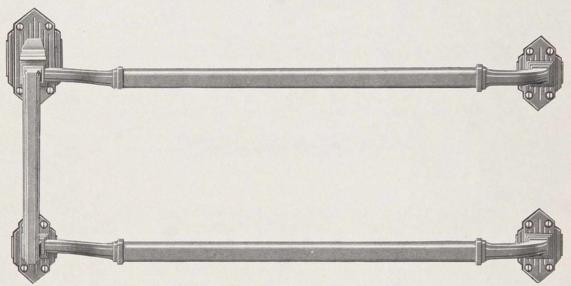
Offset brackets for hinged side of door can be furnished, send drawing of door and jamb. Suffix $\frac{1}{2}$ to number.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Illustrations One-sixth Size 469

PUSH AND PULL BAR LOCKSET





No. S192491 x 102—Lockset with Bars on One Side of Door No. S192491 x 110—Lockset with Bars on Both Sides of Door

	*		Grip	Cylinder	Thumb- piece	Lower	Ba	irs	Projection
Number	Lock Page Number	Plate Inches	Plate Inches	Plate Inches	Number	Plates Inches	Inches		
S192491 x 102 S192491 x 110	491 491	352 352	192S 192S	33/4 x 29/16 33/4 x 29/16	4½ x 29/16 4½ x 29/16	33/8 x 2 33/8 x 2	192101S 192101S	33/8 x 2 33/8 x 2	2½ 2½

S192491 x 102 set has lockset handle with bars on one side of door and lockset handle only on opposite side of door.

S192491 x 110 set has lockset handle with bars on both sides of door. Outside handle and bars furnished with 2-inch, 12-24 FH bronze through bolts, inside handle and bars with wood screws.

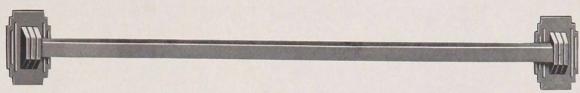
Plates used are 192 (Roswell) design; if 191 (Nilwood) design is wanted, suffix 191 in place of 192 to above numbers. The sizes of plates will vary slightly from those given.

Specify length, center to center and give thickness of door.

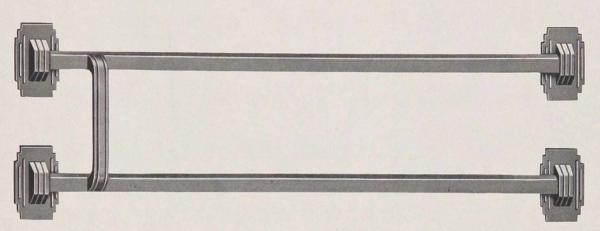
Offset brackets for hinged side of door can be furnished, send drawing of door and jamb. Suffix 1/2 to number.

*Lock has hold back feature so door can be used as push and pull.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



No. 34101 1/2—Single Push Bar



No. 341021/2-Pull Bar, 6" Center to Center of Bars

	Square V	Wrought Bronze T	ubing	Cast Bronze Standards			
Number	Diameter	Projection	Clearance	Diameter of Base	Projection	*Clearance	
	Inches	Inches	Inches	Inches	Inches	Under Grip, In.	
†34101½	3/4	1 3/8	5/8	3½x2	1 5/8	2	
†34102½	3/4	1 3/8	5/8	3½x2	1 5/8	2	
†34101½D	3/4	1 3/8	5/8	3½x2	1 5/8	2	

^{*}Projection of grip—2½ inches.

†Stock lengths of 36 inches, center to center, packed one in a paper wrapping, knocked down, making it possible to furnish any length by cutting tubing. Longer lengths on special order only.

‡Furnished with drop bars, same length as cross bar.

No. $34101\frac{1}{2}$ is furnished with wood screws unless specified with through bolts.

No. 34102½ is furnished with 2-inch, 12-24 F. H. bronze through bolts unless otherwise specified.

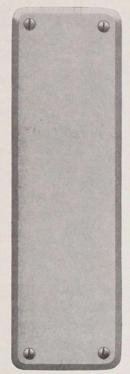
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Illustrations One-sixth Size 471

BARROWS)-

[FUTURE DESIGNS]

PUSH PLATES



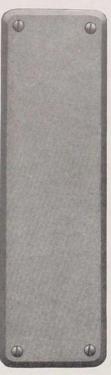
Nos. 11447 to P11449 Arden Design



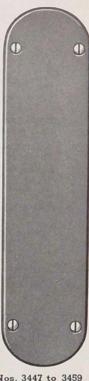
Nos. 12447 to P12453 Stratford Design



Nos. 1447 to 1459 Solid Wrought



Nos. 2447 to 2459 Solid Wrought



Nos. 3447 to 3459 Solid Wrought

WROUGHT BRONZE, BRASS OR STEEL

Number	Size Inches	Material	Number	Number	Number	Size Inches	Material
11447 11449 P11447 P11449 12447 12449 12453 P12447 P12449 P12453	10 x23/4 12 x3 10 x23/4 12 x3 10 x23/4 12 x3 14 1/2 x3/8 10 x23/4 12 x3 14 1/2 x3/8	Wrought Bronze Wrought Steel Wrought Steel Wrought Bronze Wrought Bronze Wrought Bronze Wrought Steel Wrought Steel Wrought Steel Wrought Steel	1447 1449 A1449 1453 A1453 1454 1455 1456 1457 1458 1459	2447 2449 A2449 2453 A2453 2454 2455 2456 2457 2458 2459	3447 3449 A3449 3453 A3453 3454 3455 3456 3457 3458 3459	10x3 12x3 12x3½ 15x3 15x3½ 16x3½ 16x4 18x4 20x4 24x4	Wrought Bronze

Packed 2 in a box, with screws.

If plates are to be cut for cylinder or bit key locks, the distance will be two inches from top of plate to center of opening, unless otherwise specified.

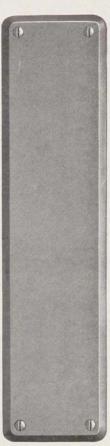
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Illustrations One-third Size 473

PUSH PLATES



Nos. 161447 to 161459 Pittwood Design



Nos. 162447 to 162459 Kent Design



Nos. 163447 to 163459 Salem Design

CAST BRONZE OR BRASS

Number	Number	Number	Size	Material
Pittwood-Design	Kent-Design	Salem-Design	Inches	
161447 161449 A161449 161453 A161453 161454 161455 161456 161457 161458 161459	162447 162449 A162449 162453 A162453 162454 162455 162456 162457 162458 162459	163447 163449 A163449 163453 A163453 163454 163455 163456 163457 163458 163459	10x3 12x3 12x3½ 15x3 15x3½ 16x3½ 16x4 18x3½ 18x4 20x4	Cast Bronze

Packed 2 in a box, with screws.

If plates are to be cut for cylinder or bit key locks, the distance will be two inches from top of plate to center of opening, unless otherwise specified.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

PUSH PLATES



Nos. 161447P to 161459P Pittwood Design



Nos. 162447P to 162459P Kent Design



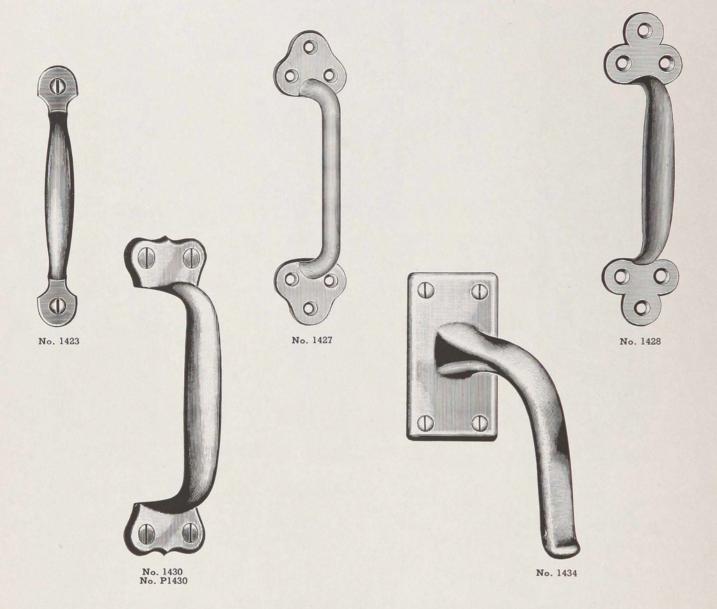
Nos. 163447P to 163459P Salem Design

CAST BRONZE OR BRASS

Number	Number	Number	Size	Material
Pittwood-Design	Kent-Design	Salem-Design	Inches	
161447P	162447P	163447P	10x3	Cast Bronze
161449P	162449P	163449P	12x3	
A161449P	A162449P	A163449P	12x3 1/2	
161453P	162453P	163453P	15x3	
A161453P	A162453P	A163453P	15x3 1/2	
161454P	162454P	163454P	16x3 1/2	
161455P	162455P	163455P	16x4	
161456P	162456P	163456P	18x3 1/2	
161457P	162457P	163457P	18x4	
161458P	162458P	163458P	20x4	
161459P	162459P	163459P	20x4	

Packed 2 in a box, with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

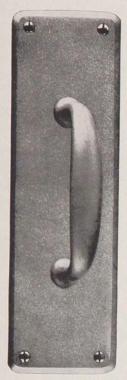


Number	Length Inches	*Width Inches	Projection Inches	Clearance Inches	Material
1423 1427 1428 1430 P1430 1434	434 514 534 6 6 514	7/2 3/8 5/8 5/8 3/4 3/4 Base—15/8	1 ½6 1 ½6 1 ½6 1 ½6 1 ½6 1 ½6	15 16 1 14 1 14 1 15 16 1 15 16 3 3 3 8	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Iron Cast Bronze

^{*}Measurement given is the maximum face width of pull, not of the base.

Packing—Nos. 1423, 12 in a box. Nos. 1427, 1428, 1430, P1430, 1434, 6 in a box with screws.

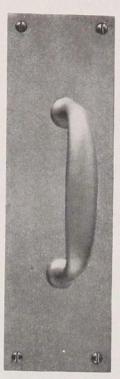
Specify Number and Finish. Refer to Page No. 36 for description of finishes.



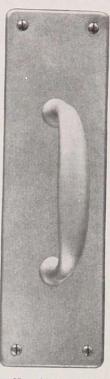
Nos. 11647 to P11649 Arden Design



Nos. 12647 to P12653 Stratford Design



Nos. 1647 to 1659 Solid Wrought



Nos. 2647 to 2659 Solid Wrought



Nos. 3647 to 3659 Solid Wrought

WROUGHT BRONZE, BRASS OR STEEL PLATES, CAST GRIPS

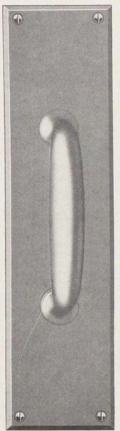
Number	Plate Size Inches	Grip No.	Material	Number	Plate Size Inches	Grip No.	Material
11647 11649 P11647 P11649 12647 12649 12653 P12647 P12649 P12653 1647 1649 A1649 1653 A1653 A1653 1654 1655 1656 1657 1658 1659	10x23/4 12x3 10x23/4 12x3 10x23/4 12x3 14½x33/8 10x23/4 12x3 14½x33/8 10x3 12x3 12x3/2 15x3 15x3½ 16x4 18x3½ 18x4 20x4 24x4	140 141 P140 P141 140 141 141 P140 P141 P141	Wrought Bronze Wrought Steel Wrought Steel Wrought Bronze Wrought Bronze Wrought Bronze Wrought Steel Wrought Steel Wrought Steel Wrought Bronze	2647 2649 A2649 2653 A2653 2654 2655 2656 2657 2658 2659 3647 3649 A3649 3653 A3653 3654 3655 3656 3657 3658 3659	10x3 12x3 12x3½ 15x3 15x3½ 16x3½ 16x4 18x4 20x4 20x4 21x3 12x3 12x3½ 15x3 15x3½ 16x4 18x3½ 16x4 18x3½ 16x4 20x4 20x4 20x4 20x4 20x4 20x4 20x4 20	140 141 141 142 142 143 143 144 144 145 145 140 141 141 142 142 143 143 144 144 145 145	Wrought Bronze

Packed 2 in a box, with screws.

Plates ordered cut for cylinder or bit key lock will be cut two inches from top of plate to center of opening, unless otherwise specified.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

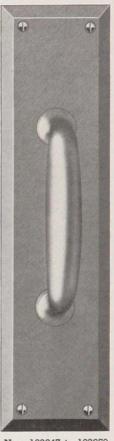
Illustrations One-third Size 477



Nos. 161647 to 161659 Pittwood Design



Nos. 162647 to 162659 Kent Design



Nos. 163647 to 163659 Salem Design

CAST BRONZE OR BRASS

Number Pittwood-Design	Number Kent-Design	Number Salem-Design	Size Inches	Grip Number	Material
161647 161649 A161649 161653 A161653 161654 161655 161656 161657 161658 161658	162647 162649 A162649 162653 A162653 162654 162655 162656 162657 162658 162658	163647 163649 A163649 163653 A163653 163654 163655 163656 163657 163658 163659	10x3 12x3 12x3½ 15x3 15x3½ 16x3½ 16x4 18x3½ 18x4 20x4	140 141 141 142 142 143 143 143 144 144 145	Cast Bronze

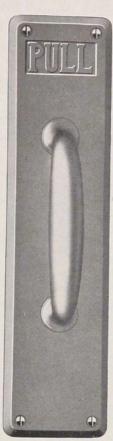
Packed 2 in a box, with screws.

Plates ordered cut for cylinder or bit key locks will be cut two inches from top of plate to center of opening, unless otherwise specified.

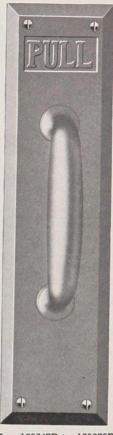
Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Nos. 161647P to 161659P Pittwood Design



Nos. 162647P to 162659P Kent Design



Nos. 163647P to 163659P Salem Design

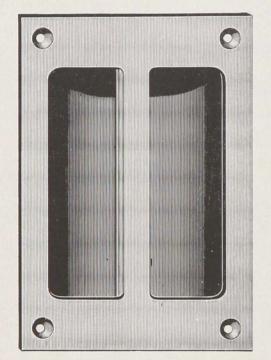
CAST BRONZE OR BRASS

Number	Number	Number	Size	Grip	Material
Pittwood-Design	Kent-Design	Salem-Design	Inches	Number	
161647P 161649P A161649P 161653P A161653P 161655P 161655P 161656P 161657P 161658P 161659P	162647P 162649P A162649P 162653P A162653P 162654P 162655P 162656P 162657P 162658P 162659P	163647P 163649P A163649P 163653P A163653P 163654P 163655P 163656P 163657P 163658P 163659P	10x3 12x3 12x3½ 15x3 15x3½ 16x3½ 16x4 18x3½ 18x4 20x4	140 141 141 142 142 143 143 144 144 144 145	Cast Bronze

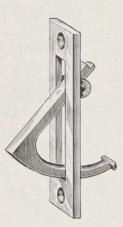
Packed 2 in a box, with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

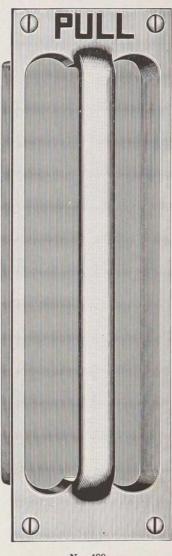
FLUSH DOOR PULLS



Nos. 486 and P486 Type Nos. 485 and P485



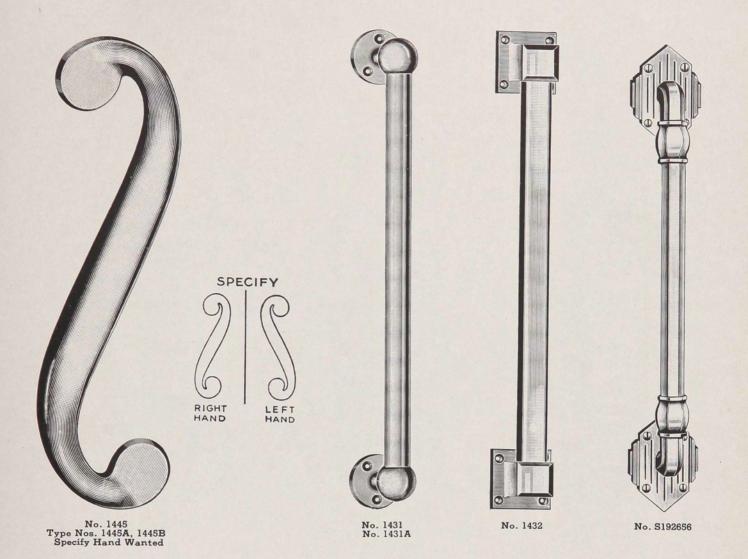
No. 482 No. P482



No. 488

Number	Plate, Inches	C	Cup			
Number	Flate, inches	Size, Inches	Depth, Inches	Material		
482 P482 485 P485 486 P486 488	4½xl¹/6 4½xl¹/6 5 x3½ 5 x3½ 6½x4½ 6½x4½ 10 x3		1 1 1 1/4 1 1/4 1 1/4 1 1/6	Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Iron Cast Bronze		

Packed—No. 482, 12 in a box; Nos. 485 and 486, 6 in a box; No. 488, 1 in a box. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Number	Length Inches	Width, Base	Inches	Centers Inches	Projection Inches	Clearance Inches	Material
†1445 †1445A †1445B †1431 †1431A †1432 \$192656	9 10 10 * 91/4 *103/4 *131/2 *16	2 2 2 2 2 2,5/8	1 1 1 3/4 3/4 3/4	7½ 8½ 8½ 73% 87% 113% 12	2 ½8 2 ½4 2 ½4 2 ½6 2 ½8 2 ½8 2 ½6 2 ¾	1 ¹ / ₄ 1 ⁷ / ₁₆ 1 ⁷ / ₁₆ 1 ¹ / ₄ 1 ¹ / ₄ 1 ¹ / ₅ 2	Cast Bronze

Packed 1 in a box, with screws.

†Nos. 1445 and 1445A furnished with machine screws through door.

†No. 1445B furnished with through bolts for pulls on both sides of door.

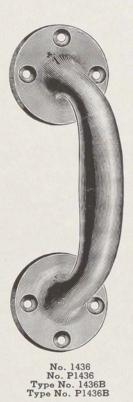
 \dagger Nos. 1431 and 1431A, Cast Bronze brackets. Drawn seamless tubing, $\frac{3}{4}$ inch diameter.

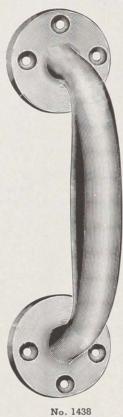
*Special lengths made to order.

No. 1432, Cast Bronze brackets, drawn, seamless tubing, 3/4 inch square.

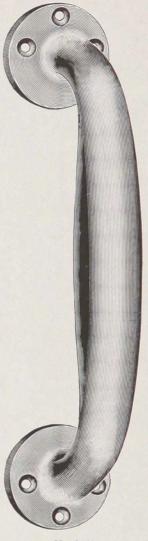
No. S192656 is made with No. 192 (Roswell) design plates. If No. 191 (Nilwood) design is wanted, prefix 191 in place of 192. The size of plates will vary slightly from those given.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.





No. 1438 No. P1438 Type No. 1438B Type No. P1438B



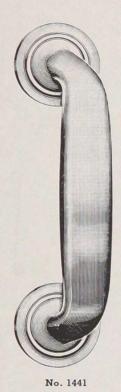
No. 1440 Type No. 1440B

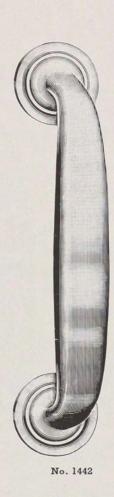
Number	Length Inches	*Width Inches	Centers Inches	Projection Inches	Clearance Inches	Material
1436 P1436 †1436B *P1436B 1438 P1438 †1438B *P1438B 1440 †1440B	6½ 6½ 6½ 6½ 7½ 7½ 7½ 7½ 10	13/16 13/16 13/16 13/16 13/16 78 78 78 78 78 11/4	41/6 41/6 41/6 41/6 51/4 51/4 51/4 8	2 2 2 2 2 ⁵ / ₁₆ 2 ⁵ / ₁₆ 2 ⁵ / ₁₆ 2 ⁹ / ₁₆ 2 ⁹ / ₁₆	1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 3/8 1 3/8 1 3/8 1 3/8 1 3/8	Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Iron Cast Iron Cast Bronze Cast Bronze Cast Bronze Cast Bronze

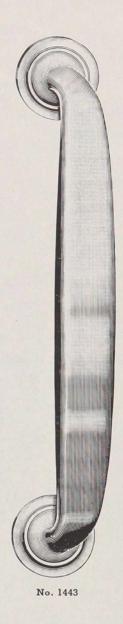
^{*}Measurement given is the maximum face width of pull, not of the base. Base 2 inches.

 $[\]dagger$ Nos. 1436B, 1438B and 1440B furnished with through bolts. State thickness of door. Packed 2 in a box.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.







*Width, Inches Projection Inches Clearance Centers Material Number Length Base Inches Grip Inches Inches 1 11/16 1 3/4 1 5/8 5 6½ 9 15/8 15/8 15/8 23/8 23/8 23/8 7½ 9½ 11½ Cast Bronze 1441 1442 Cast Bronze 1443 11/4 Cast Bronze

Packed 2 in a box, with through bolts.

*Measurement given is the maximum face width of pull, not of the base.

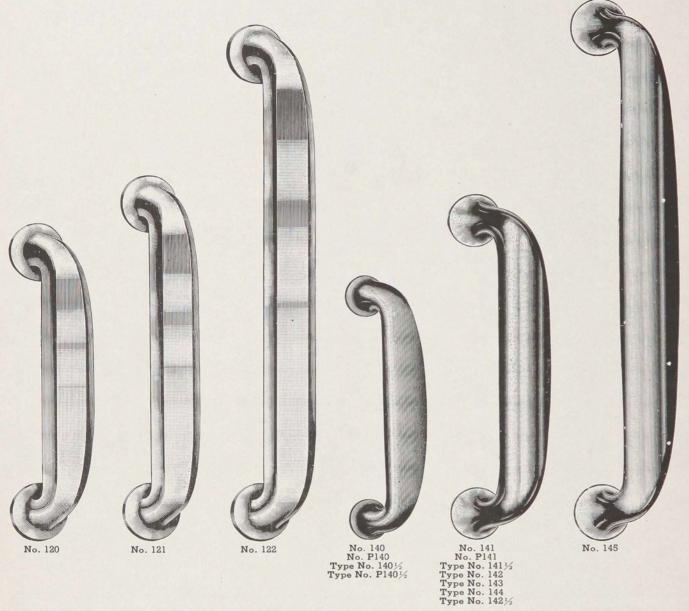
Grips used to make the above pulls are Nos. 141, 143 and 145 respectively.

Pulls are furnished with through bolts. State thickness of doors.

No. 1R rosettes are omitted when grips are furnished on plates.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

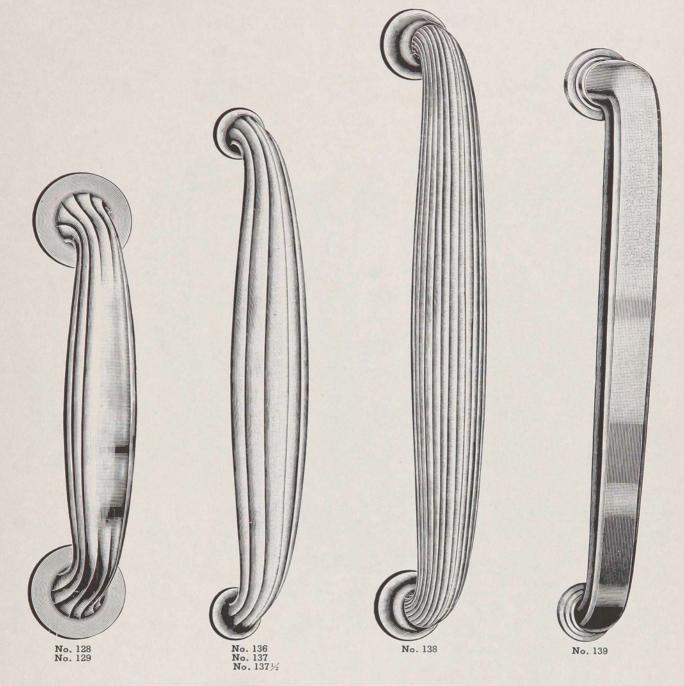
DOOR PULLS OR GRIPS



Number	Description	Length and *Width Inches		Centers	Projection	Clearance	Material
1 dinibor	Base Grip	Trojection	Cicarance	Material			
120 121 122 140 P140 140½ P140½ 141 P141 141½ 142 143 144 142½ 145	Straight Straight Straight Straight Straight Offset Offset Straight	11/16 11/18 11/18 11/18 11/18 11/18 11/18 11/18 11/18 11/18	6½xl 7 xl 9½xl 5½x ½8 5¼x ½8 5¼x ½8 6 xl 6 xl 6 xl 6 xl 6 xl 6¾xl 7½xl ½xl ½xl ½xl ½xl ½xl 10 xl ¼	4 ¹⁵ / ₁₆ 6 8 3/4 4 1/2 4 1/2 4 1/2 5 5 5 5 5 3/4 6 1/2 7 1/2 5 3/4 9	25/6 23/8 23/8 17/8 17/8 17/8 2 2 2 2 2 2 2	1 5 8 1 11 1/16 1 1 1/16 1 3 8 1 3 8 1 3 8 1 5 16 1 5 16 1 5 16 1 3 8 1 3 8	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze

*Width measurement given is the maximum face width of grip, not of the base. All grips can be used bolted to plates or separate with through bolts, as specified. Nos. 122 and 145, packed 2 in a box. All others, 6 in a box. Rosettes, $1\frac{1}{2}$ inch diameter, can be furnished with any of above grips by suffixing ''x No. 1-R''. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

DOOR PULLS OR GRIPS

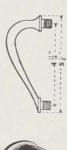


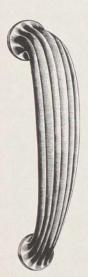
Number	Description		and *Width nches	Centers Inches	Projection Inches	Clearance Inches	Material
Number	Number Description	Base	Grip	menes	menes	inches	Material
128 129 136 137 137 137 138	Straight Straight Straight Straight Offset Straight Straight Straight	13/4 13/4 7/8 7/8 7/8 13/8 13/8	834x1 1/4 10 x1 1/4 77/8x1 1/4 93/4x1 1/2 93/4x1 1/2 107/6x1 1/4 11 x 15/6	7 8 678 878 878 958 1048	2½ 2½ 2½ 2½ 2½ 2½ 2½ 2½	1 1/4 1 1/4 1 5/16 1 3/8 1 3/8 1 1/4 1 7/8	Cast Bronze

^{*}Width measurement given is the maximum face width of grip, not of the base.

All grips can be used bolted to plates, or separate with through bolts, as ordered. Packed 2 in a box.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.













No. 130 Type No. 131

No. 132 No. P132

No. 160 No. P160

No. 161 No. P161

Number	Description	Length and *Width Inches	Centers Inches	Projection Inches	Clearance Inches	Material
130 131 132 P132 160 P160 161 P161 184 185	Straight	578xl ¹ / ₁₆ 634xl ¹ / ₄ 634xl ¹ / ₄ 634xl ¹ / ₄ 658xl 658xl 634xl ¹ / ₄ 634xl ¹ / ₄ 578xl ¹ / ₁₆ 634xl ¹ / ₄	47% 534 57% 57% 514 57% 57% 57% 57% 534	25/6 21/2 21/4 21/4 21/4 21/4 21/8 25/6 21/2	1 9/6 1 5/8 1 9/16 1 9/16 1 5/8 1 5/8 1 1/2 1 1/2 1 9/16 1 5/8	Cast Bronze Cast Bronze Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze

^{*}Width measurement given is the maximum face width of grip, not of the base.

All grips can be bolted to plates and are tapped for through bolts.

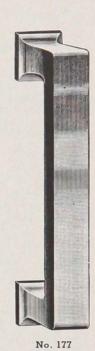
Packed 2 in a box.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.









37			
31			

Length and *Width Projection Inches Clearance Inches Material Number Description Centers Inches Inches 4½ 4½ 6½ 7½ 5% 15/8 15/8 21/16 23/8 23/8 1 1/4 1 1/4 1 1/2 1 7/8 1 13/16 100 P100 133 167 5½xl 5½xl 738xl 8½xl 7 x 15/6 Cast Bronze Cast Iron Offset Offset Cast Bronze Cast Bronze Cast Bronze Straight Straight Straight 177

Illustrations Two-fifths Size

^{*}Width measurement given is the maximum face width of grip, not of the base.

All grips can be bolted to plates and are tapped for through bolts.

Packed 2 in a box.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.









No. 170 No. 170½ No. 171

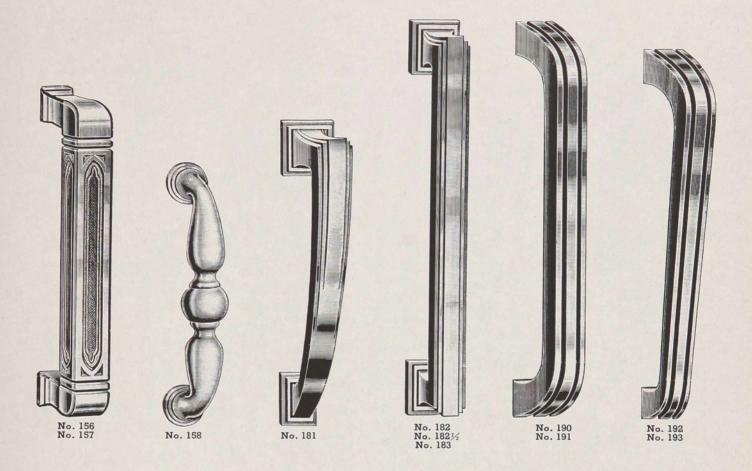
Number	Description	Length and *Width Inches	Centers Inches	Projection Inches	Clearance Inches	Material
111 112 127 165 170 170 ½	Straight Straight Straight Straight Straight Offset Straight	838x138 734x14 634x14 712x178 84x138 84x138 94x142	7 ½ 63¼ 5 ¼ 5 ½ 6 ½ 6 ½ 8	23/8 23/8 21/4 21/4 21/4 21/4 21/4 25/8	1 ½ 1 5% 1 5% 1 5% 1 3% 1 5% 1 5% 1 34	Cast Bronze

 $^{{}^{*}\}text{Width}$ measurement given is the maximum face width of grip, not of base.

All grips can be bolted to plates and are tapped for through bolts.

Packed 2 in a box.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Number	Description	Length and *Width Inches	Centers Inches	Projection Inches	Clearance Inches	Material
156 157 158 181 182 182 183 190 191 192 193	Straight Straight Straight Straight Straight Offset Straight Straight Straight Straight Straight Straight	6 x 7/8 71/2x 7/8 61/8x11/6 73/8x11/4 95/6x11/8 95/6x11/8 121/4x11/8 63/4x 5/8 83/4x 5/8 81/4x 5/8	5 6½ 5½ 6 8 8 11 5½ 8 5½	23/8 23/8 25/8 25/8 21/4 21/8 21/4 21/4 21/4 21/4	1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½	Cast Bronze

^{*}Width measurement given is the maximum face width of grip, not of the base.

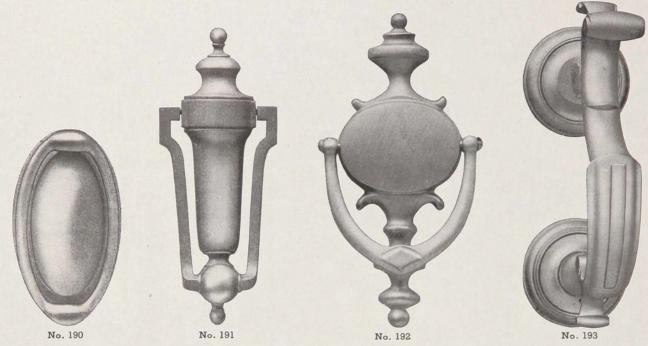
Illustrations Two-fifths Size 489

All grips can be bolted to plates and are tapped for through bolts. Packed 2 in a box.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

DOOR KNOCKERS

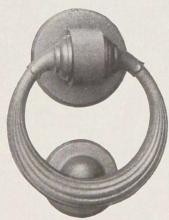
FOR ENTRANCE DOORS



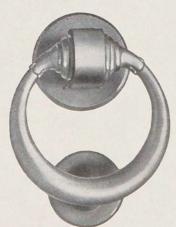
CAST BRONZE OR BRASS

Number	Size Over All Inches	Top Plate Inches	Lower Plate Inches	Material
190 191	5½x3 8¾x3½			Cast Bronze Cast Bronze
192 193	9½x4½ 9 x3½	31/8	31/8	Cast Bronze Cast Bronze

Packed each in a box, with bronze through bolts unless otherwise specified. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



No. 197



No. 198



No. 199

CAST BRONZE OR BRASS

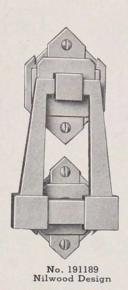
Number	Size Over All Inches	Top Plate Inches	Lower Plate Inches	Material
197 198 199	6¼x4½ 6¼x4½ 6 x4½	2 ¼ 2 ¼ 2 ¼ 2 ½	1.78 1.78 2	Cast Bronze Cast Bronze Cast Bronze

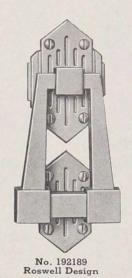
Packed each in a box, with bronze through bolts unless otherwise specified. Specify Number and Finish. Refer to Page No. 36 for description of finishes. Special knockers made to order.

DOOR KNOCKERS

FOR ENTRANCE DOORS







Packed each in a box, with wood screws.

Number

158189

191189

192189

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Size Over All, Inches

71/4x17/8

63/8x27/8 61/2x27/8

FOR INTERIOR DOORS



No. 190½



No. 191½



No. 192½



No. 1931/2



No. 194½



No. 195

Number	Size Over All, Inches	Top Plate, Inches	Lower Plate, Inches	Material
190 ½ 191 ½ 192 ½ 193 ½ 194 ½ *195	4 ½x2 ¼ 4 x2 ¼ 3 ½x1 ¾	13/8 21/8	1 3/8 1 3/ ₁₆	Cast Bronze

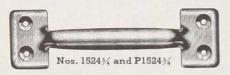
Packed each in a box with wood screws.

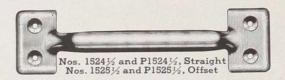
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Illustrations One-third Size 491

^{*}No. 195 can be furnished up to five numerals.

BAR SASH LIFTS





Number	Description	Base, Width Inches	Length Inches	Projection Inches	Material
1524 ³ / ₄ P1524 ³ / ₄ 1524 ¹ / ₂ P1524 ¹ / ₂ 1525 ¹ / ₂ P1525 ¹ / ₂	Straight Straight Straight Straight Offset Offset	1 1/8 1 1/8 1 3/16 1 3/16 1 3/16 1 3/16	4 4 458 458 458 458 458	1 1 1 ½8 1 ½6 1 ½6 1 ½8	Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Bronze Cast Iron

Packed 1 dozen in a box, with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.





Number	Description	Base, Width Inches	Length Inches	Projection Inches	Material
1524 P1524 1525 P1525 1526 P1526 1527 P1527	Straight Straight Offset Offset Straight Straight Straight Straight	13/8 13/8 13/8 13/8 13/4 13/4 13/4 13/4	5 5 5 5 5 5 5 2 6 6	1 5 16 1 5 16 1 5 16 1 5 16 1 5 16 1 5 12 1 5 2 1 5 8	Cast Bronze Cast Iron Cast Bronze Cast Bronze Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron

Packed 1 dozen in a box, with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

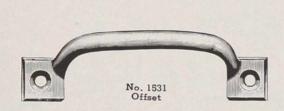
BAR SASH LIFTS





Number	Description	Base, Width Inches	Length Inches	Projection Inches	Material
1528 P1528 1521 P1521	Offset Offset Offset Offset	1 ½4 1 ¼ 1 ½8 1 ½8	4 1/8 4 1/8 4 7/8 4 7/8	1 ½8 1 ½8 1 ¼ 1 ¼ 1 ¼	Cast Bronze Cast Iron Cast Bronze Cast Iron

Packed 1 dozen in a box, with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.





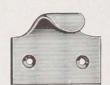
Number	Description	Base, Width Inches	Length Inches	Projection Inches	Material
1531	Offset	3/4	43/4	1 1/8	Cast Bronze
1529	Offset	1 3/8x3/4	45/8	1 1/4	Cast Bronze
P1529	Offset	1 3/8x3/4	45/8	1 1/4	Cast Iron

Packed 1 dozen in a box, with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

HOOK SASH LIFTS



No. 01551 No. P01551



No. 1540 No. P1540



No. 1542



No. 1553 No. P1553

Number	Height Inches	Width Inches	Projection Inches	Material
1540	1 3/8	1 5/8	7/8	Cast Bronze Cast Iron Cast Bronze Cast Bronze Cast Iron Wrought Bronze Wrought Steel
P1540	1 3/8	1 5/8	7/8	
1542	1 1/2	1 7/8	1 1/6	
1553	1 5/8	1 7/8	1 1/4	
P1553	1 5/8	1 7/8	1 1/4	
01551	1 5/16	1 5/8	3/4	
P01551	1 5/16	1 5/8	3/4	

Packed—No. 01551 and P01551, 3 dozen in a box; Nos. 1540 and 1542, 2 dozen in a box; No. 1553 and P1553, 1 dozen in a box, with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

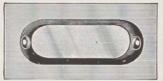
FLUSH SASH LIFTS



Nos. 01546 and P01546 Wrought



Nos. 1546 and P1546 Type Nos. 1547 and P1547 Cast



Nos. 01546½ and P01546½ Wrought



No. 161546 Cast



Nos. 11546 and P11546 Wrought



No. 161547 Cast



No. 162548 Cast

Number	Size, Inches	Cup Height, Width, Depth, Inches	Material
1546 P1546 1547 P1547 01546 01546½ P01546 P01546½ 11546 P11546 161546 161547 162548	1 x2 78 1 x2 78 1 x4 x3 1 x3 1 x4 x3 1 x5 x3 x8 1 x6 x3 x8 1 x6 x3 x8 1 x6 x3 x8 1 x7 x3 x6 1 x7 x3 x6 1 x7 x3 x6 1 x7 x3 x6 1 x7 x3 x7 1 x7 x	11/ ₁₆ x1 3/4x3/8 11/ ₁₆ x1 3/4x3/8 3/4x2 x ⁷ / ₁₆ 3/4x2 x ⁷ / ₁₆ 7/8x23/8x ⁷ / ₁₆ 7/8x23/8x ⁷ / ₁₆ 7/8x23/8x ⁷ / ₁₆ 11/ ₁₆ x2/8x ⁵ / ₁₆ 11/ ₁₆ x2/8x ⁵ / ₁₆ 3/4x21/4x ⁷ / ₁₆ 3/4x21/4x ⁷ / ₁₆ 3/4x21/2x ⁷ / ₁₆	Cast Bronze Cast Iron Cast Bronze Cast Iron Wrought Bronze Wrought Bronze Wrought Steel Wrought Steel Wrought Bronze Wrought Steel Cast Bronze Cast Bronze

Packed—Wrought lifts, 2 dozen in a box. Cast Lifts, 1 dozen in a box. With screws. For other flush lifts, refer to design section.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

SASH FASTENERS



Nos. 01710 and P01710



Mortise Strike Can be furnished in place of regular strike with Nos. 1701, 1702 and 1703.





Straight Back Strike Can be furnished in place of regular strike with Nos. 1701, 1702 and 1703.

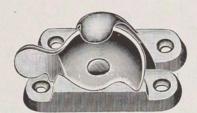
WROUGHT BRONZE, BRASS OR STEEL

	Case	STRIK	E	
Number	Length and Width Inches	Length and Width Inches	Height Inches	Material
01710 P01710	25/8x1 25/8x1	25/8x ¹¹ / ₁₆ 25/8x ¹¹ / ₁₆	13/16 13/16	Wrought Bronze Wrought Steel

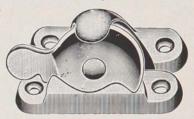
Packed 1 dozen in a box, with strikes and screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Nos. 1701 and P1701



Nos. 1702 and P1702

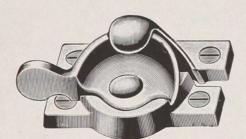


Nos. 1703 and P1703

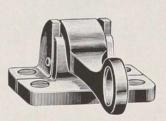
CAST BRONZE, BRASS OR IRON

	Case	STRIK		
Number	Length and Width Inches	Length and Width Inches	Height Inches	Material
1701 P1701 1702 P1702 1703 P1703	2½x 7/8 2½x 7/8 2½x 1/8 2¾x1 2¾x1 3 x1½6 3 x1½6	2 ⁷ / ₆ x ⁹ / ₁₆ 2 ⁷ / ₆ x ⁹ / ₁₆ 2 ¹ / ₂ x ³ / ₄ 2 ¹ / ₂ x ³ / ₄ 3 x ³ / ₄ 3 x ³ / ₄	$\begin{array}{c} 1 \\ 1 \\ 1^{3} \\ 1^{3} \\ 1_{6} \\ 1^{5} \\ 1^{5} \\ 1_{6} \end{array}$	Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Bronze Cast Iron

Packed 1 dozen in a box, with strikes and screws. Specify for mortise strike by suffixing ¼ to number. Specify for straight back strike by suffixing ½ to number. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Nos. 1704 and P1704



Nos. 1706 and P1706

CAST BRONZE, BRASS OR IRON

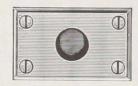
		STRIK	E	
Number	Case Length and Width Inches	Length and Width Inches	Height Inches	Material
1704 P1704 *1706 *P1706	$\begin{array}{c} 3^{5}/_{6}x1^{3}/_{6} \\ 3^{5}/_{6}x1^{3}/_{6} \\ 2^{5}/_{6}x^{15}/_{16} \\ 2^{5}/_{6}x^{15}/_{16} \end{array}$	$\begin{array}{c} 3^{5}/_{6}x 7/8 \\ 3^{5}/_{16}x 7/8 \\ 2^{5}/_{16}x 7/6 \\ 2^{5}/_{16}x^{15}/_{16} \end{array}$	1 ½ 1 ½ 1 1	Cast Bronze Cast Iron Cast Bronze Cast Iron

Packed 1 dozen in a box, with strikes and screws.
*The Nos. 1706 and P1706 have a 3 inch lever with a 5% inch hole for pole hook.
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

SASH PULL SOCKETS



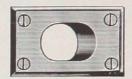
Nos. 1560 and P1560



Nos. 1563 and P1563



Nos. 1566 and P1566



Nos. 1567 and P1567

Number	Size, Inches	Material
1560 P1560 1563 P1563 1566 P1566 1567 P1567	1 ½8 1 ½8 1 ¼x2 1 ¼x2 1 ½x2 1 ½x2 1 ½x2 1 ¼x2	Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Iron Cast Bronze Cast Bronze Cast Iron

Packed 3 dozen in a box, with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

SASH POLES



Steel With Hook No. P1505 No. P1506 No. P1508

SASH POLE HOOKS



Nos. 1571 and P1571



Nos. 1572 and P1572

Number	Size Inches	Diameter of Socket Inches	Material	
1571 P1571 1572 P1572	35/8x1 1/4 35/8x1 1/4 43/4x1 1/4 43/4x1 1/4	1 1 1	Cast Bronze Cast Iron Cast Bronze Cast Iron	

Packed ½ dozen in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Number	Length Feet	Diameter Inches	Material
P1505	5	3/4	Steel
*P1506	6	3/4	Steel
*P1508	8	3/4	Steel

Packed 1 in paper.
Special lengths furnished to order.
*Finish japanned, special finishes at additional price

SASH POLE HANGER AND TRANSOM EYE



Nos. 1550 and P1550



Nos. 1503 and P1503

SASH POLE HANGER

Number	Size Inches	Material	
1550	23/8x1	Cast Bronze	
P1550	23/8x1	Cast Iron	

Packed 2 dozen in a box, with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

TRANSOM EYE

Number	Number Base Diam of F Inches Inch		Projection Over All Inches	Material
1503	1 1/16x 1 9/16	5/8	1 1/4 1 1/4	Cast Bronze
P1503	1 1/16x 1 9/16	5/8		Cast Iron

Packed 2 dozen in a box, with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

(Illustrations One-half Size)

STOP BEAD SCREWS AND WASHERS

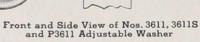


Nos. 3610 and P3610



Nos. 3612 and P3612





Number	Diameter of Washer, Inches	Size of Screws	Material
3610 P3610 3611 P3611 3611S 3612 P3612	5/8 5/8 21/32 21/32 21/32 21/32	1 ¼ Inch—No. 8 1 ¼ Inch—No. 8 1 Inch—No. 8 1 Inch—No. 8 1 Inch—No. 8 1 ¼ Inch—No. 8 1 ¼ Inch—No. 8	Wrought Bronze Wrought Steel Wrought Bronze Wrought Steel Wrought Bronze Washer and Iron Plated Screw Wrought Bronze Wrought Steel

Packed 1 gross, screws and washers, in a box.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Illustrations Full Size 497

CASEMENT WINDOW FASTENERS



Rim (R) Strike



Mortise (M) Strike



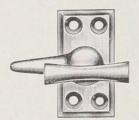
Surface (S) Strike



Nos. 1685 and P1685 Specify Strike Wrought Base



Nos. 1689 and P1689 Specify Strike Cast Base



Nos. 1687 and P1687 Specify Strike Cast Base

REVERSIBLE—TURN HANDLES CAST BRONZE, BRASS OR IRON ON CAST OR WROUGHT BASES

	Base			Strike	
Number	Size Inches	Material	Projection Inches	Size Inches	Material
1685R P1685R 1685M P1685M 1685S P1685S P1687R P1687R P1687M P1687M P1687M P1689M P1689M P1689M P1689S P1689S	134x1 1/8 134x1 1/8 134x1 1/8 134x1 1/8 134x1 1/8 134x1 1/8 234x1 1/8 158x1 1/8 158x1 1/8 158x1 1/8 158x1 1/8 158x1 1/8	Wrought Bronze Wrought Steel Wrought Steel Wrought Steel Wrought Bronze Wrought Steel Cast Bronze Cast Bronze Cast Iron	13/16 13/16 13/16 13/16 13/16 13/16 13/16 13/16 13/16 13/16 19/16	1 3/8x17/6 1 3/8x17/6 2 5/8x 9/16 2 5/8x 9/16 1 3/4x 9/16 1 3/8x17/16 1 3/8x17/16 2 5/8x 9/16 2 5/8x 9/16 1 3/4x 9/16 1 3/8x17/16 1 3/8x17/16	Wrought Bronze Wrought Steel Wrought Steel Wrought Steel Cast Bronze Cast Iron Wrought Steel Wrought Steel Wrought Steel Wrought Steel Cast Bronze Cast Iron Wrought Bronze Cast Iron Wrought Bronze Wrought Steel Wrought Steel Wrought Steel Wrought Steel Cast Bronze Cast Iron Cast Iron

Packed 1 dozen in a box, complete with strikes and screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CASEMENT WINDOW FASTENERS



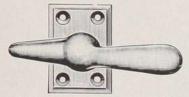
Rim (R) Strike



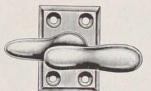
Mortise (M) Strike



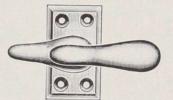
Surface (S) Strike



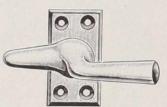
Nos. 1695R-P1695R Nos. 1695M-P1695M Nos. 1695S-P1695S



Nos. 1693R-P1693R Nos. 1693M-P1693M Nos. 1693S-P1693S



Nos. 1691R-P1691R Nos. 1691M-P1691M Nos. 1691S-P1691S



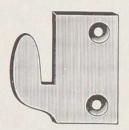
Nos. 1697R-P1697R Nos. 1697M-P1697M Nos. 1697S-P1697S

REVERSIBLE—CAST BRONZE, BRASS OR IRON BASES AND TURN HANDLES

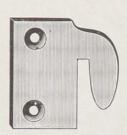
	Ва	ise		Str	rike
Number	Size Inches	Material	Projection Inches	Size Inches	Material
1691R P1691R 1691M P1691M P1691S P1691S 1693R P1693R P1693M 1693S P1693S P1695R P1695R 1695M P1695M P1695M P1695M P1695M P1695N P1695S P1695S	21/6x1 1/8 15/8x1 1/8	Cast Bronze Cast Iron Cast Bronze	1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½ 1 ½	1 38x17/6 1 36x17/6 2 56x 5/8 2 56x 5/8 2 x 5/8 2 x 5/8 2 x 5/8 2 x 5/8 1 36x17/6 1 36x17/6 2 5/6x 5/8 2 5/8x 5/8 1 3/4x	Wrought Bronze Wrought Steel Wrought Bronze Wrought Steel Cast Bronze Cast Iron Wrought Bronze Wrought Bronze Wrought Steel Wrought Steel Cast Bronze Cast Iron Wrought Bronze Wrought Bronze Cast Iron Wrought Bronze Wrought Steel Wrought Steel Cast Bronze Cast Iron Wrought Steel Cast Iron Wrought Steel Cast Iron Wrought Bronze Cast Iron Wrought Bronze Wrought Steel Wrought Steel Wrought Steel
1697M P1697M 1697S P1697S	2½6x1½8 2½6x1½8 2½6x1½8 2½6x1½8	Cast Iron Cast Bronze Cast Iron	15/8 15/8 15/8	25/8x 5/8 2 x 5/8 2 x 5/8	Wrought Steel Cast Bronze Cast Iron

Packed 1 dozen in a box, complete with strikes and screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

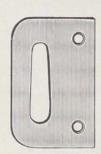
CASEMENT WINDOW FASTENERS



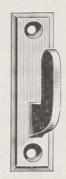
Rim (R) Strike For Nos. 1884R-P1884R For Nos. 1784R-P1784R



Rim (R) Strike Nos. 1785R-P1785R



Rim (R) Strike For Nos. 1781R-P1781R

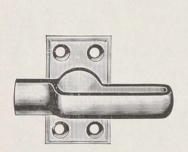


Surface (S) Strike For Nos. 1784S-P1784S Nos. 1884S-P1884S
Surface (S) Strike For Nos. 1785S-P1785S

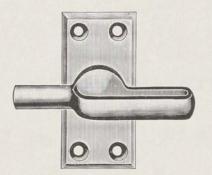




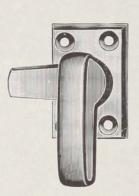
Mortise (M) Strike



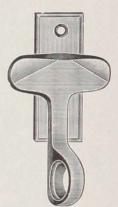
Nos. 1784R-P1784R Nos. 1784M-P1784M Nos. 1784S-P1784S Reversible



Nos. 1884R-P1884R Nos. 1884M-P1884M Nos. 1884S-P1884S Reversible



Nos. 1785R-P1785R Nos. 1785M-P1785M Nos. 1785S-P1785S Cut Right Hand



Nos. 1781R-P1781R Nos. 1781M-P1781M Reversible

CAST BRONZE, BRASS OR IRON BASES AND TURN HANDLES

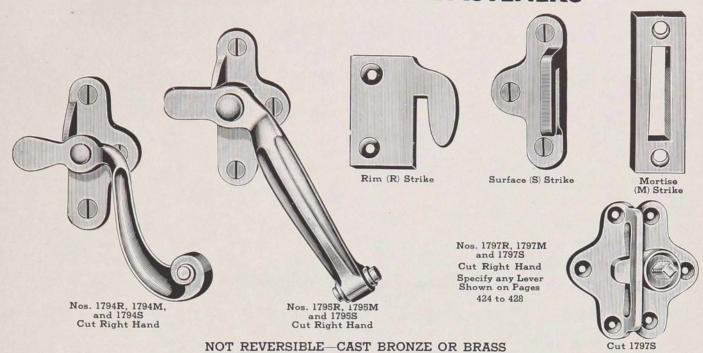
	Base			Strike	
Number	Size Inches	Material	Projection Inches	Size Inches	Material
1781R P1781R 1781M P1781M 1784R P1784R P1784R 1784S P1784S 1785R P1785R P1785S 1785S P1785S 1884R P1884R P1884R P1884R P1884H P1884M P1884M P1884S	27/6x 7/8 27/6x 7/8 27/6x 7/8 27/6x 7/8 27/6x 7/8 21/4x 7/8 2 xl 1/4 3 xl 3/8	Cast Bronze Cast Iron	1 1/8 1 1/8	2 1/2 x 1 5/8 2 1/2 x 1 5/8 2 5/8 x 11/16 2 5/8 x 11/16 2 x 2 2 x 2 3 x 7/8 3 x 3/4 3 x 3/4 2 x 2 2 x 2 3 x 7/8 3 x 3/4 3 x 3/4 2 x 2 2 x 2 3 x 7/8 3 x 3/4	Cast Bronze Cast Iron Wrought Bronze Wrought Steel Cast Bronze Cast Iron Wrought Bronze Wrought Steel Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Wrought Bronze Wrought Steel Cast Bronze Cast Iron Wrought Steel Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Wrought Bronze Wrought Steel Cast Bronze Cast Iron Wrought Steel Cast Bronze Cast Iron

Packed 1 dozen in a box with strikes and screws.

*Not reversible. Specify hand, described on Page No. 43.

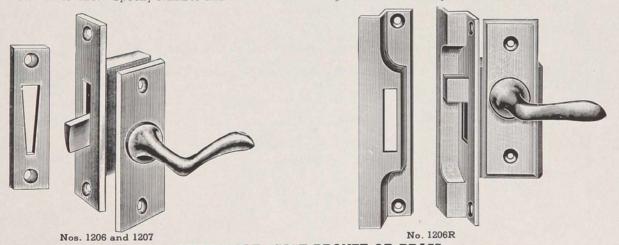
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CASEMENT WINDOW FASTENERS



Number	Bē	Base		Strike		
Trainboi	Size, Inches	Material	Projection – Inches	Size, Inches	Material	
1794R 1794M 1794S 1795R 1795M 1795S *1797R *1797M *1797S	278xl 1/4 278xl 1/4 278xl 1/4 278xl 1/4 278xl 1/4 278xl 1/4 3 xl 1/4 3 xl 1/4 3 xl 1/4	Cast Bronze	178 178 178 178 138 138 138 138 138 142 inch, plus Lever 152 inch, plus Lever 153 inch, plus Lever 154 inch, plus Lever	3 x 7/8 27/8x1 1/4 3 x 7/8 27/8x1 1/4 3 x 7/8 3 x 1/4	Cast Bronze Wrought Bronze Cast Bronze Wrought Bronze Cast Bronze	

Packed ½ dozen in a box, with strikes and screws. Specify hand described on Page No. 43. *Specify lever required. Refer to Page Nos. 424 to 428. Specify Number and Finish. Refer to Page No. 36 for description of Finishes.

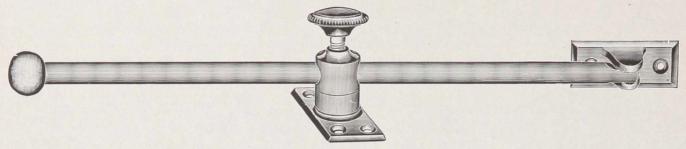


REVERSIBLE—CAST BRONZE OR BRASS

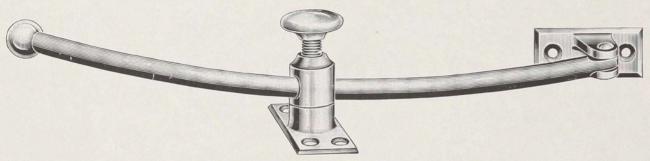
Number	Case Japanned Iron Inches	Front Cast Bronze Inches	Backset Inches	Hub, ''DIA'' Inches	Plate Cast Bronze Inches
1206 1207 *1206R	2 ½x1 ¼ 2 ½x1 ½ 2 ½x1 ½ 2 ½x1 ½	35/8x3/4 35/8x3/4 4 x ¹⁵ /16	3/4 1 3/4×1 1/8	5/16 5/16 5/16	3x 7/8 3x 7/8 3x 7/8

Packed each in a box, complete with strikes and screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes. *Not Reversible. Specify hand described on Page No. 43.

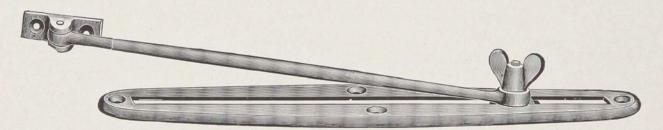
CASEMENT WINDOW ADJUSTERS



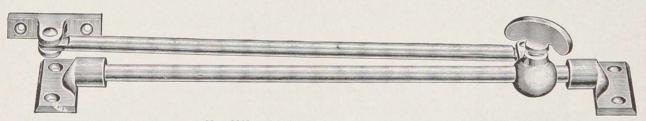
Nos. 1900 and P1900-For Windows Opening Out



Nos. 1900C and P1900C—CURVED—For Windows Opening Out



Nos. 1903 and P1903—For Windows Opening Out



Nos. 1901 and P1901—For Windows Opening Out

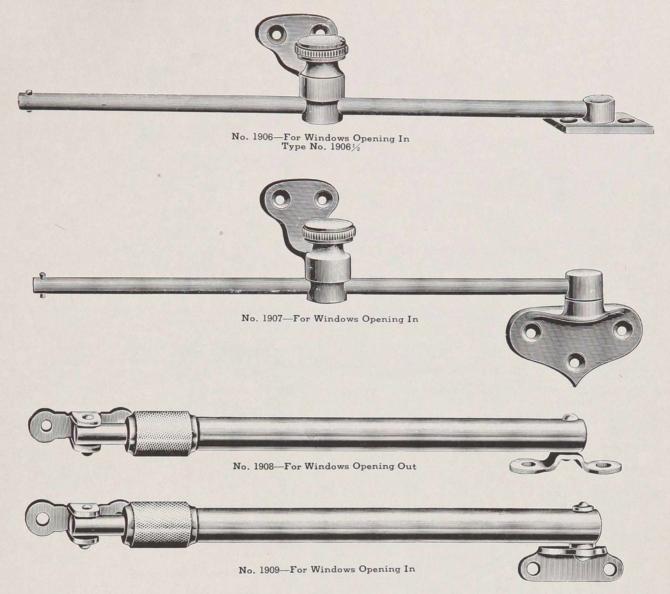
Number	Length of Rod	Diameter of Rod	Size Sash Plate	Size Sill Plate	*Clear- ance	Mate	erial
	Inches	Inches	Inches	Inches	Inches	Rods	All Other Parts
1900 P1900 1900C P1900C 1903 P1903 1901 P1901	10, 12, 15 and 18 10, 12, 15 and 18 12 12 8, 10 and 12 8, 10 and 12 9 and 12 9 and 12	3/8 3/8 3/8 3/8 1/4×1/2 1/4×1/2 5/16 5/16	2x1 2x1 2x1 2x1 158x½ 158x½ 178x58 178x58	2½x1½ 2½x1½ 2½x1½ 2½x1½ 1½ 1½ 1½ 138x¾ 138x¾	3/4 3/4 1/4 1/2 1/2	Wrought Bronze Wrought Steel Wrought Steel Wrought Steel Cast Bronze Cast Iron Wrought Bronze Wrought Steel	Cast Bronze Cast Iron

Packed 6 in a box, with screws.

Specify Number Length and Finish. Refer to Page No. 36 for description of finishes.

^{*}Clearance is from bottom of sill plate to bottom of sash plate.

CASEMENT WINDOW ADJUSTERS



Number Length of Rod		Diameter Size of Rod Sash Plate		Size Sill Plate	Clearance	Material	
Number	Inches	Inches	Inches Inches		Rods	All Other Parts	
1906 1906 ½ 1907 *1908 1909	12-15-18 12-15-18 12-15-18 10-12 10-12	5/16 3/8 5/16 3/8 3/8	1 ½x¾ 1 ½x¾ 1 ½x¾ 2 x¾ 2 x5% 2 x5%	134x1 134x1 21/2x11/2 2 x 34 2 x 5/8	3/8 3/8 3/8 3/8 3/8 3/8	Wrought Bronze Wrought Bronze Wrought Bronze Wrought Bronze Wrought Bronze	Cast Bronze Cast Bronze Cast Bronze Wrought Bronze Wrought Bronze

Nos. 1908 and 1909—The diameter of the tube is 5% inch.

Packed 6 in box with screws.

Specify Number Length and Finish. Refer to Page No. 36 for description of finishes.

*No. 1908 can be used on windows opening in by applying adjuster on exterior side.

FRICTION STAY



No. P1939-Steel Cadmium Plated

No. P1939—Steel Cadmium Plated

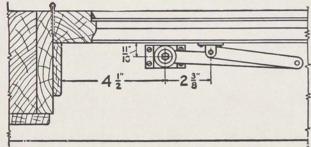
The friction stay is suitable for use on hinged or pivoted, casement windows, doors, and transoms, permitting an opening of up to 180 degrees. It holds in any locked position by friction tension. The tension is adjustable by means of a slotted nut, controlling 1 1/4 diameter friction plates made of solid brass. Packed 12 in a box with screws. Weight per box 6 pounds. Specify if plated finishes required. Refer to Page No. 36.

MEASUREMENTS:

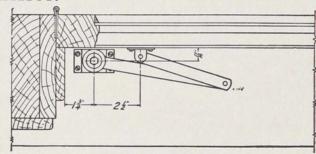
Base 11/4 inches wide x21/8 inches long. Length over all, 83/8 inches.

Width of rod, 5/8 inches. Sash Plate, 1/2xl 3/8 inches.

INSTALLATION



Less than 180 Degree Opening



For 180 Degree Opening

FRICTION TRANSOM STAY

No. Pl938-Steel Cadmium Plated

For transoms where opening is not to be greater than 90 degrees. This is accomplished by a stop on the sash arm which makes it impossible to go past dead center and by placing the transom stay as far from butts as possible.

Large transom or wide transom should be equipped with two transom stays.

MEASUREMENTS

Base 1 1/4 inches wide x2 1/8 inches long.

Length over all, 83/8 inches.

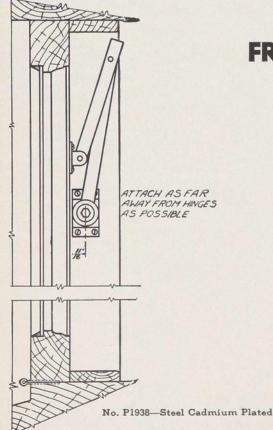
Width of rod, 5% inches.

Transom plate, ½xl 3% inches.

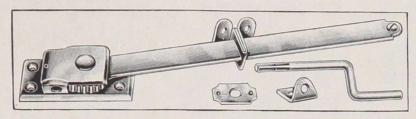
Can be furnished in plated finishes by specifying the finishes required. Page No. 36.

Packed 12 in a box with round head screws.

Weight per box, 6 pounds.



CASEMENT WINDOW ADJUSTERS



No. P1924-All Steel, Cadmium Plated

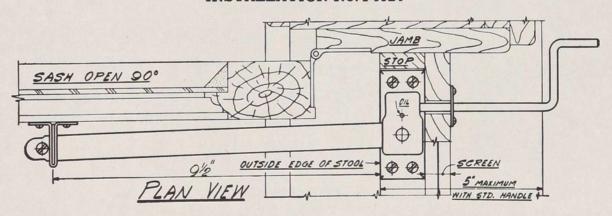
The Number P1924, "thru screen" worm and gear adjuster is adapted for use between casement window and screen requiring only 13% inches space. Flexible arm compensates for sagging window, butts not aligned and stools not leveled. Gears are steel. Escutcheon is dull brass plated on steel. Handle is steel, dull brass plated.

REVERSIBLE—For Right or Left Hand Casement Windows, Opening Out

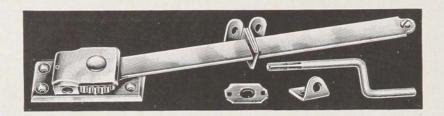
Number	Width of Base Inches	Length of Base Inches	Width of Sash Plate Inches	Projection Inches	Handle Inch	For Stools Inches
P1924	13/8	33/8	11/2	13/8	1/4	5

Packed 6 in a box, each wrapped complete with handle, escutcheons and screws. Forty-eight in a shipping carton. Weight, 45 pounds.

INSTALLATION No. P1924



CASEMENT WINDOW ADJUSTERS



No. 1928—Bronze or Brass Metal No. P1928—Steel, Cadmium Plated

Nos. 1928 and P1928, "thru screen" worm and gear adjuster is adapted for use between casement window and screen requiring only 17/6 inches space. Flexible arm compensates for sagging window, butts not aligned and stools not leveled. Gears are bronze metal. Escutcheon is dull brass plated for No. P1928, and bronze or brass metal for 1298. Handle is eight inches long for eight inch stools and has bronze or brass metal knob. Cut handle spindle for narrower stools, and specify if stool is wider than eight inches, for which there is an additional price for longer spindle.

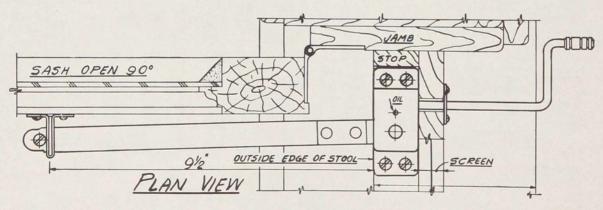
REVERSIBLE—For Right or Left Hand Casement Windows, Opening Out

Number	Material	Width of Base Inches	Length of Base Inches	Width of Sash Plate Inches	Projection of Sash Plate Inches	Handle Number	Handle Diameter Inches	For Stools Inches
1928 P1928	Bronze Steel	1 3/8 1 3/8	3½ 3¾	1 1/2 1 1/2	1 3/8 1 3/8		5/16 5/16	8 8

Packed 1 in a box, complete with handle, escutcheons and screws. Twenty-five in a shipping carton. Weight, forty-one pounds. Specify if less handles are required than adjusters.

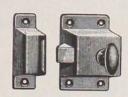
Specify Finish on No. 1928. Refer to Page No. 36 for description of finishes.

INSTALLATION Nos. 1928 and P1928

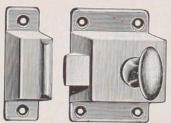


506

CUPBOARD CATCHES AND TURNS



Nos. 01183 and P01183

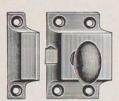


Nos. 01184 and P01184

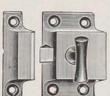
WROUGHT BRONZE, BRASS OR STEEL

Number	Size of Case Without Strike Inches	Throw of Latch Inches	Material
01183	1 7/8×1 3/16	5/16	Wrought Bronze
P01183	1 7/8×1 3/16	5/16	Wrought Steel
01184	2 1/8×1 7/16	3/8	Wrought Bronze
P01184	2 1/8×1 7/16	3/8	Wrought Steel

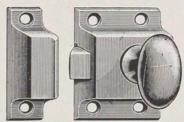
Packed 1 dozen in a box with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



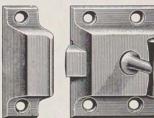
Nos. 1181 and P1181



Nos. 1182 and P1182



Nos. 1190 and P1190



Nos. 1186 and P1186

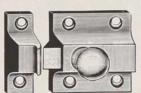
CAST BRONZE, BRASS OR IRON

Number	Size of Case Without Strike Inches	Throw of Bolt Inches	Material					
1181 P1181 1182 P1182 1190 P1190 1186 P1186	1 3/4x1 1/8 2 1/4x1 5/8 2 1/4x1 5/8 2 1/4x1 5/8 2 1/4x1 5/8	1/4 1/4 1/4 1/4 5/16 5/16 5/16 5/16	Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Bronze Cast Iron					

Packed 1 dozen in a box with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes. Mortise strikes furnished on special order, Suffix "M". Universal strikes furnished on special order, Suffix "U".



Nos. 1880 and P1880



Nos. 1881 and P1881 Type Nos. 1882 and P1882



Offset Strike for



No. 1195 Type No. 1195½

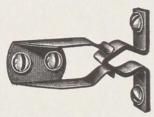
CAST BRONZE, BRASS OR IRON

	Olio Ditolia, al		
Number	Size of Case Without Strike Length, Width, Inches	Throw or Bolt Inches	Material
1880 P1880 1881 P1881 1882 P1882 1195	15/6x17/6 15/6x17/6 1 1/4x17/6 1 1/4x17/6 1 17/6x13/4 1 17/6x13/4 1 15/8x17/66 1 5/8x17/66	1/4 1/4 1/4 1/4 5/16 5/16 5/16	Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Bronze Cast Bronze

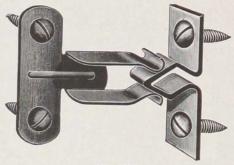
Packed 1 dozen in a box with screws. *No. 1195½ strike is for 3% inch offset door.

Mortise strikes furnished on special order, suffix M. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

FRICTION CATCHES



No. 1715



No. 1717 Type of No. 1716 Type of No. 1718

OIL TEMPERED SPRING FRICTION CATCHES

Number	Length Spring and Base Inches	Width Spring Base Inches	Length Strike Base Inches	Width Strike Base Inches	Material
1715 1716 1717 1718	1 3/8x 1/2 1 1/4x 3/6 1 1/2x 1/2 2 1/4x 3/4	1 1 3/16 1 3/4	1 1/4 1 1 1/4 1 7/8	7/ ₁₆ 3/ ₈ 7/ ₁₆ 5/ ₈	Steel Steel Steel Steel

Packed—Nos. 1715, 1716 and 1718, 3 dozen in a box, with screws. No. 1718, 1 dozen in a box, with screws. Finishes—Standard finishes, dull brass and nickel plated. Other finishes on special order at additional price.

MORTISE FRICTION CATCHES

HAGSTROM PATENT

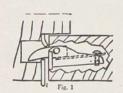


Figure 1. Showing catch applied to door neatly fitted

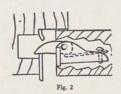


Figure 2. Showing catch still effective after door has shrunk away from jamb

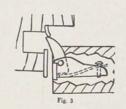
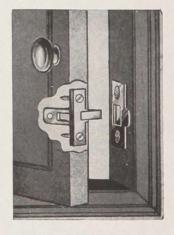


Figure 3. Showing position of latch at moment of closing



Operates automatically. Dust can not enter, nor can the door rattle, with this catch always pressing the door firmly shut. Is just as effective as the woodwork shrinks. Tends to restore warped doors to normal. For cabinets, casement windows, closet doors, etc.

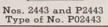
No. 1720 is especially adapted to use on medicine cabinets, bookcases, switch cabinets, clothes chutes, secret doors; 5% to 1 1/26 inches.

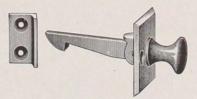
No. 1721 for doors 7/8 to 11/4 inches.

No. 1722 for French wardrobe and closet doors, 1½ to 1¾ inches. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

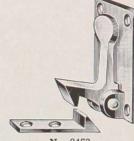
ELBOW CATCHES







No. 2452

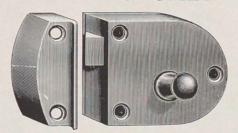


No. 2453

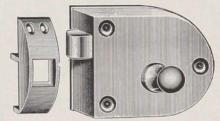
Number	Size of Plate, Inches	Material
2443	5/8x1 1/4	Cast Bronze
P2443	5/6x1 1/4	Cast Iron
P02443	5/6x1 1/4	Steel, Brass Plated
2452	1 1/4x1 1/4	Cast Bronze
2453	2 1/6x1	Cast Bronze

Packed—No. 2443, P2443 and P02443, 3 dozen in a box with screws. Nos. 2452 and 2453, 1 dozen in a box, without screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

SECRET GATE LATCHES



Nos. 116 and P116 For Single Acting Gate



REVERSIBLE

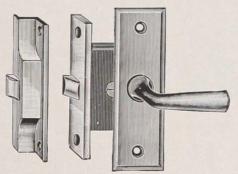
Nos. 118 and P118 For Double Acting Gate

Number	Size of Case, Inches	Description	Material
116 P116 118 P118	2x2½x¾ 2x2½x¾ 2x2½x¾ 2x2½x¾ 2x2½x¾	Single Acting Single Acting Double Acting Double Acting	Cast Bronze Cast Iron Cast Bronze Cast Iron

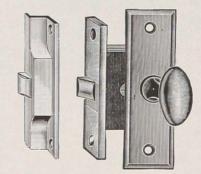
Packed ½ dozen in a box, with screws.

Nos. 116 or P116 can be furnished with mortise strike for gates opening out. Suffix ½. Send drawing of gate and jamb. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

CABINET LATCH SETS



Nos. 1221 and 1221R



Nos. 1321 and 1321R

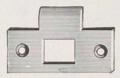
	Nos. 1221 and 12211						
	Latch		Trim One Side Only				
Number	Number	Page	Number	Plate, Size, Inches	Material		
1221 1221R 1321 1321R	202 202R 202 202 202R	286 286 286 286 286	1522x30 1522x30 1522x25 1522x25	3xl 3xl 3xl 3xl	Cast Bronze Cast Bronze Cast Bronze Cast Bronze		

Packed ½ dozen in a box, with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

TRANSOM CATCHES



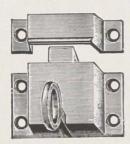
Universal Strike
Furnished with all types of transom catches. Suffix ½ to number.



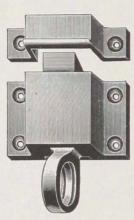
Mortise Strike
Furnished with all types of transom catches. Suffix 3/4 to number.



Angle Strike
Furnished with transom catches
used with Reverse Bevel Latch Bolt.
Suffix 1/8 to number



Nos. 1897 and P1897



Nos. 1898 and P1898

CAST BRONZE, BRASS OR IRON

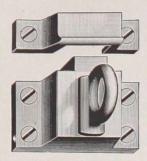
Number	Case Wi	thout Strike	Strike	
	Size, Inches	Material	Туре	Material
1897 P1897 1897½ P1897½ 1898 P1898 1898½ P1898½	1 ½x2 ½8 1 ½x2 ½8 1 ½x2 ½8 1 ½x2 ½8 1 ½x2 ½ 1 38x2 ¼ 1 38x2 ¼ 1 38x2 ¼ 1 38x2 ¼	Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Iron	Rim Rim Universal Universal Rim Rim Universal Universal	Cast Bronze Cast Iron Wrought Bronze Wrought Steel Cast Bronze Cast Iron Wrought Bronze Wrought Steel

Packed 1 dozen in a box with strikes and screws.

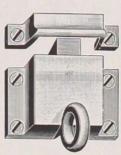
Nos. 1897 and 1898 series can be furnished with reverse bevel and angle strike, Suffixing "RB".

Specify number and finish. Refer to Page No. 36 for description of finishes.

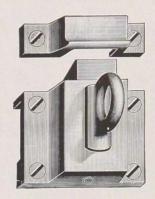
TRANSOM CATCHES



No. 1890 Type No. 1890½ Independent Latch Bolt



Nos. 1893 and P1893 Type Nos. 1893½ and P1893½



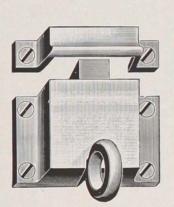
No. 1891 Type No. 1891½ Independent Latch Bolt

CAST BRONZE, BRASS OR IRON

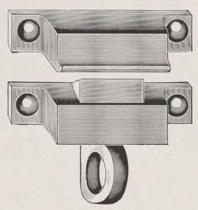
Number	Case With	nout Strike	Strike	
	Size, Inches	Material	Туре	Material
1890 1890 ½ 1891 1891 ½ 1893 P1893 1893 ½ P1893 ½	1 ½x2 ½ 1 ½x2 ½ 1 ¼x2 ½ 1 ¾x2 ½ 1 ¾x2 ½ 1 ¼x2 ½	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Iron Cast Bronze Cast Iron	Rim Universal Rim Universal Rim Rim Universal Universal	Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Iron Wrought Bronze Wrought Steel

Packed 1 dozen in a box with screws. Specify if reverse bevel and mortise strikes required, see Page No. 510 for strikes. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

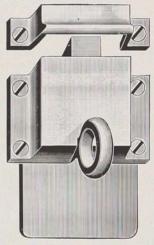
All series can be furnished, reverse bevel. Suffix "RB".



Nos. 1896 and P1896 Type Nos. 1896 1/2 and P1896 1/2



No. 1894 Type No. 1894½



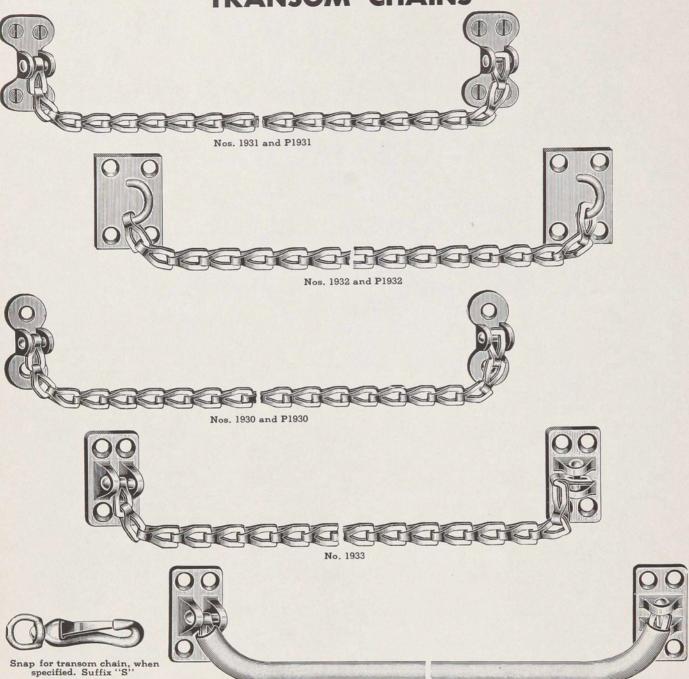
Nos. 1899 and P1899 Type Nos. 1899½ and P1899½ With Apron

CAST BRONZE, BRASS OR IRON

	0110			
N 1	Case Wit	hout Strike	Strike	
Number	Size, Inches	Material	Туре	Material
1894 1894 ½ 1896 P1896 1896 ½ P1896 ½ MP1896 MP1896 ½ *1899 *P1899 *1899 ½ *P1899 ½	34x3½ 34x3½ 134x234 134x234 134x234 134x234 134x234 134x234 134x234 134x234 134x234 134x234 134x234	Cast Bronze Cast Bronze Cast Bronze Cast Iron Cast Bronze Cast Iron Malleable Iron Malleable Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Iron Cast Bronze Cast Iron	Rim Universal Rim Rim Universal Universal Rim Universal Rim Universal Rim Universal Universal	Cast Bronze Cast Bronze Cast Bronze Cast Iron Wrought Bronze Wrought Steel Malleable Iron Malleable Iron Cast Bronze Cast Iron Wrought Bronze Wrought Bronze Wrought Steel

Packed 1 dozen in a box with screws. Series 1896 and 1899 can be furnished, reverse bevel. Suffix "RB". *Apron drop 13/8 inches. Specify if reverse bevel and mortise strike are required, see Page No. 510 for strikes. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

TRANSOM CHAINS

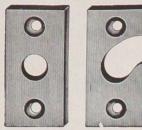


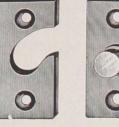
No. 1933R-Rubber Covered

		Ch	ain	Plate		
Number	Length Inches	Tensile Strength	Weight 100 Feet	Material	Size Inches	Material
1930 P1930 1931 P1931 1932 P1932 1933 1933R	10-12-15-18 10-12-15-18 10-12-15-18 10-12-15-18 10-12-15-18 10-12-15-18 12-15-18-24 12-15-18-24	250 Lbs. 250 Lbs. 600 Lbs. 600 Lbs. 800 Lbs. 800 Lbs. 800 Lbs. 800 Lbs.	4½ Lbs. 4 Lbs. 7 Lbs. 6½ Lbs. 11 Lbs. 9½ Lbs. 11 Lbs. 11 Lbs.	Wrought Bronze Wrought Steel Wrought Steel Wrought Steel Wrought Bronze Wrought Steel Wrought Bronze Wrought Bronze Wrought Bronze	113/6×11/6 113/6×11/6 13/4×3/4 13/4×3/4 13/4×11/4 13/6×1 13/6×1	Wrought Bronze Wrought Steel Wrought Steel Wrought Bronze Wrought Steel Cast Bronze Cast Bronze

All types can be furnished—rubber covered. All types can be furnished with snap on one end. Suffix "S". Specify lengths. Strength and weights are approximate. Packed—Nos. 1931, 1932 and 1930, one dozen in a box. No. 1933 ½ dozen in a box with screws. Specify Number and Finish. Refer to Page 36 for description of finishes.

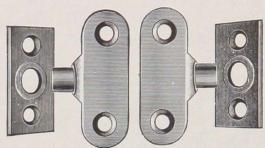
TRANSOM OR SASH CENTERS







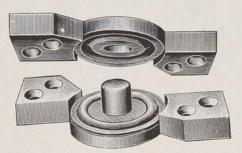
Nos. 1801 and P1801 Type Nos. 1802 and P1802 One Set



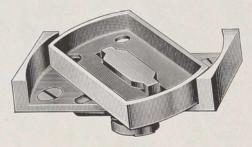
Nos. 1803 and P1803 Type Nos. 1804 and P1804 Type Nos. 1805 and P1805 One Set

Number	Size Inches	Center of Pin to Face Inches	Diameter of Pin Inch	Material
1801 P1801 1802 P1802 1803 P1803 1804 P1804 1805 P1805	2½xl 2½xl 258xl³8 258xl³8 2½x ¼ 2½x ¼ 3½xl¼ 338xl¼ 438xl¾ 438xl³8 438xl³8	7/8 7/8 1/8 1/8 1/4 1/4 1/4	1/2 1/2 9/16 9/16 3/8 3/8 5/8 5/8 5/8 3/4 3/4	Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron

Packed—Nos. 1801 to P1805, 1 dozen sets in a box, with screws.



No. 1806 Series—Bronze Steel Bushed No. P1806 Series—Iron Not Bushed One-half Set



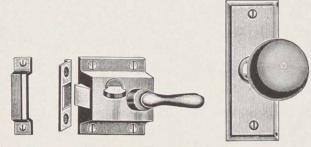
Nos. 1807 and P1807—Friction Type One-half Set

Number	Size Inches	*For Sash Thickness Inches	Diameter of Pin Inch	Material
1806A P1806A P1806B 1806B 1806C P1806C 1806D P1806D 1807A P1807A P1807B P1807B 1807D P1807D	4 x13/8 4 x13/8 4 x15/8 4 x15/8 4 x17/8 4 x17/8 5 x2 5 x2 33/4x13/8 33/4x13/4 33/4x13/4 33/4x21/4	13/8 13/8 13/4 13/4 22 21/4 21/4 13/8 13/8 13/4 13/4 21/4 21/4	7/16 7/16 7/16 7/16 7/16 1/2 1/2 1/2 1/2	Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Bronze Cast Iron Cast Iron Cast Iron Cast Iron Cast Bronze Cast Iron

^{*}Specify thickness of sash.

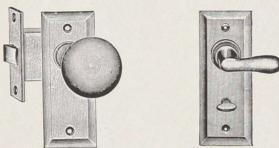
Packed—No. 1806 Series, ½ dozen sets in a box, with screws. No. 1807 Series, 1/3 dozen sets in a box, with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

SCREEN DOOR LATCH SETS



Rim Strike for No. 6606 and P6606

Nos. 6605 and P6605 Reverse Bevel Type Nos. 6606 and P6606 Regular Bevel



Nos. 6621 Wrought Bronze and P6621 Steel Plated

REVERSIBLE

CASE Cast, 21/4x17/8 inches.

STRIKE Flat angle, wrought. For Nos. 6605 and

P6605.

Rim, Cast. For Nos. 6606 and P6606.

BACKSET 1 1/4 inches.

HUBS Iron for 5/6 spindle.

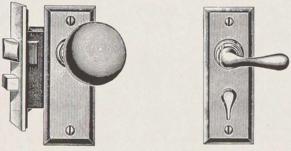
LATCH 5/6 inch throw.

OPERATION

Latch Bolt, by knob from outside, by lever from inside. Latch Bolt, locked by turn-knob from inside.

OPERATION

Latch Bolt, by knob from outside, by lever from inside. Latch Bolt, locked by turn-knob from inside.



Nos. 6625 Wrought Bronze and P6625 Steel Plated

OPERATION

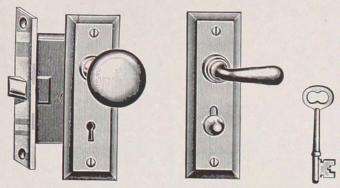
Latch Bolt, by knob from outside, by lever from inside. Dead Bolt, by turn-knob from inside.

FOR DOOR 1/8 TO 13/8 INCHES THICK

Set Number Number	La	Latch		Trim			
	Number	Page	Knob	*Lever	Escutcheon Inches	Material	
6605 P6605 6606 P6606 6621 P6621 6625 P6625	208RB P208RB 208 P208 203 P203 207 P207	Description Above 286 286 286 286	013263/4 P013263/4 013263/4 P013263/4 013263/4 P013263/4 P013263/4	40 P40 40 P40 40 P40 40 P40 40 P40	4x1½ 4x1½ 4x1½ 4x1½ 4x1½ 4x1½ 4x1½ 4x1½	Wrought Bronze Wrought Steel Wrought Steel Wrought Steel Wrought Bronze Wrought Steel Wrought Bronze Wrought Bronze Wrought Steel	

^{*}All levers are Cast Bronze or Cast Iron with standard spindle mounting. Packed each set in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

SCREEN DOOR LATCH SETS



No. 6630 Bronze Metal and No. P6630 Steel Plated For doors 7/8 to 15/8 inches thick

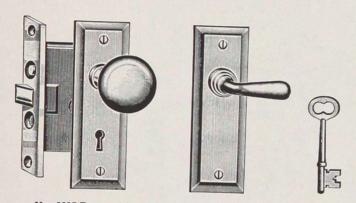
LATCH No. 218. CASE Japanned iron, 3x2x1/2 inches. FRONT Cast bronze or steel, 4½x11/16 inches. BOLT Cast bronze. BACKSET 1 1/2 inches. SPACING 13/4 inches. HUB Cast Bronze, for 5/16 inch spindle. KEYS Two, steel. Wrought bronze No. 0132634 or steel No. P0132634, 134 inches. Cast bronze No. 40 or iron No. P40, 134 in. TRIM KNOB

LEVER LEVER Projection, 11/4 inches. ESCUTCHEONS Wrought bronze or steel, 41/2x11/2 in.

OPERATION

Latch Bolt, by knob from outside and lever inside. Knob and lever locked from inside by slide stop, but can be operated by key when locked by stop.

Specify Number and Finish. Refer to Page No. 36 for finishes. Packed each in a box, complete with screws.



No. 6635 Bronze Metal—For doors 1/8 to 15/8 inches thick

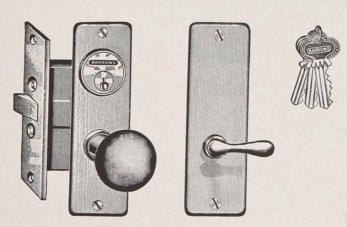
LATCH No. 219. CASE Japanned iron, $3x2\frac{1}{4}x\frac{1}{2}$ inches. Cast bronze, $4\frac{1}{4}x^{11}$ inches. FRONT BOLTS Cast bronze. BACKSET 15/8 inches. SPACING 13/4 inches. HUB Cast bronze for 5/16 inch spindle. KEYS Two, steel. TRIM KNOB Wrought bronze No. 0132634, 134 in. Cast bronze No. 40, 13/4 inches. LEVER LEVER Projection, 11/4 inches. **ESCUTCHEONS** Wrought bronze, 41/2x11/2 inches.

OPERATION

Latch Bolt, by knob from outside and lever inside. Outside knob is locked by stops in front. Operated by key when locked

Specify Number and Finish. Refer to Page 36 for description of finishes.

Packed each in a box, complete with screws.



No. 6640 Bronze Metal-For doors I to 15% inches thick

LATCH CASE Japanned iron, 3x21/4x1/2 inches. FRONT Cast bronze, 45/8x7/8 inches. BOLTS Cast bronze. BACKSET 15/8 inches. SPACING 13/4 inches. Cast bronze for $\frac{5}{16}$ inch spindle. Three, No. 635. HUB KEYS TRIM KNOB Wrought bronze No. 0132634, 134 in. Cast bronze, No. 40, 134 inches. Projection, 114 inches. LEVER LEVER **ESCUTCHEONS** Two, 51/2xl 1/2 inches.

OPERATION

Latch Bolt, by knob from outside and lever inside. Outside knob is locked by stops in front. Operated by key when locked

MASTER-KEYING

Can be master-keyed with any other cylinder using Key

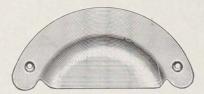
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Packed each in a box, complete with screws.

DRAWER PULLS



Nos. 47 and P47



Nos. 48 and P48 Types Nos. 49 and P49



Nos. 50 and P50

WROUGHT BRONZE, BRASS OR STEEL DRAWER PULLS

Number	Size, Inches	Clearance, Inches	Projection, Inches	Material
47 P47 48 P48 49 P49 50 P50	13/8x3 13/8x3 11/2x31/2 11/2x31/2 11/2x31/8 11/2x31/8 15/6x33/4	116 116 116 3/4 3/4 3/4 3/4 5/8 5/8	3/4 3/4 113 113 116 116 116 116 3/4 3/4	Wrought Bronze Wrought Steel Wrought Bronze Wrought Steel Wrought Bronze Wrought Steel Wrought Bronze Wrought Bronze Wrought Steel

Packed 2 dozen in a box with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Nos. 51 and 52



Nos. 53 and P53

CAST BRONZE, BRASS OR IRON DRAWER PULLS

Number	Size, Inches	Clearance, Inches	Projection, Inches	Material
51	1 x23/4	5/8	3/4	Cast Bronze
52	1 x31/2	5/8	3/4	Cast Bronze
53	13/4x31/4	1/2	3/4	Cast Bronze
P53	13/4x31/4	1/2	3/4	Cast Iron

Packed 2 dozen in a box with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

DRAWER PULLS







Nos. 1620 and 1621

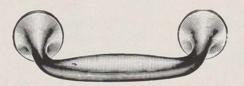
No. 1627

Nos. 1624 and P1624 Offset

CAST BRONZE, BRASS OR IRON DRAWER PULLS

Number	Size Inches	Clearance Inches	Projection Inches	Centers of Screws	Material
1620 1621 1624 P1624 1627	34x3 34x4 76x4 76x4 56x4	13/16 13/16 7/8 7/8 3/4	1 1/6 1 1/16 1 1/4 1 1/4	2 1/4 3 1/4 3 5/16 3 5/16 3 7/2	Cast Bronze Cast Bronze Cast Bronze Cast Iron Cast Bronze

Packed 2 dozen in a box with 1 inch x 8-32 RH iron machine screws and washers. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



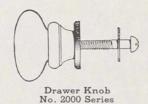
Nos. 1626 and P1626, Straight Nos. 1626½ and P1626½, Offset

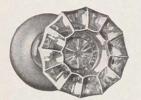
CAST BRONZE, BRASS OR IRON DRAWER PULLS

Number	Size Inches	Clearance Inches	Projection Inches	Centers of Screws	Material
1626	1 x4 ½	1	1 3/8	34	Cast Bronze
P1626	1 x4 ½	1	1 3/8	34	Cast Iron
1626 ½	7/8x4	5/8	1 1/8	31/8	Cast Bronze
P1626 ½	7/8x4	5/8	1 1/8	31/8	Cast Iron

Packed 2 dozen in a box with 1 inch x 8-32 RH iron machine screws and washers. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

GLASS DRAWER KNOBS









No. 2113¹/₄ No. 2113³/₄



No. 21161/4 No. 21163/4



No. 2117 1/4 No. 21173/

Number	Size, Inches	Projection Inches	Material Base and Rose	Description
$\begin{array}{c} 2113\frac{1}{4} \\ 2113\frac{3}{4} \\ 2115\frac{1}{4} \\ 2115\frac{3}{4} \\ 2116\frac{3}{4} \\ 2116\frac{3}{4} \\ 2117\frac{1}{4} \\ 2117\frac{3}{4} \end{array}$	1 1/4 1 3/4 1 1/4 1 3/4 1 1/4 1 3/4 1 1/4 1 3/4	1 ½ 1 3¼ 2 2 ¼ 2 ½ 2 ¼ 1 ½ 1 3¼	Cast Bronze	Round, clear glass, fire polished Round, clear glass, fire polished Fluted, clear glass, fire polished Fluted, clear glass, fire polished Rope, clear glass, fire polished Rope, clear glass, fire polished Octagon, clear glass, polished Octagon, clear glass, polished

All glass drawer knobs packed 1 dozen in a box with 1½ inch x 10-24 RH Iron machine screws and washers.

Note—For side view of any of above knobs, refer to door knobs Pages No. 422-423.

Turn knobs—any of above drawer knobs can be furnished with $\frac{3}{16}$ inch or $\frac{5}{16}$ inch spindle on special order and at additional price. Specify size and length of spindle.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



No. 2500 1/4 No. 2500 3/4



No. 2510 1/4 No. 2510 3/4



No. 2100 1/4 No. 2100 3/4



No. 2120¹/₄ No. 2120³/₄

Number	Size, Inches	Projection Inches	Material Base and Rose	Description
2100 ¹ / ₄ 2100 ³ / ₄ 2120 ¹ / ₄ 2120 ³ / ₄ 2500 ¹ / ₄ 2510 ¹ / ₄ 2510 ³ / ₄	1 ¹ / ₄ 1 ³ / ₄ 1 ¹ / ₄ 1 ³ / ₄ 1 ³ / ₄ 1 ¹ / ₄ 1 ³ / ₄	1 3/4 2 1 3/4 2 1 3/4 2 1 3/4 2	Cast Bronze	Round, clear glass, polished Round, clear glass, polished Ball, clear glass, polished Ball, clear glass, polished Round, opal glass, polished Round, opal glass, polished Octagon, opal glass, polished Octagon, opal glass, polished

All glass drawer knobs, packed 1 dozen in a box, with 1½ inch x 10-24 RH Iron machine screws and washers.

Note—For side view of any of above knobs, refer to door knobs Pages No. 422-423.

Turn knobs—any of above drawer knobs can be furnished with $\frac{3}{16}$ inch or $\frac{5}{16}$ inch spindle on special order and at additional price. Specify size and length of spindle.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

GLASS DRAWER KNOBS









Number	Size, Inches	Projection Inches	Material Base and Rose	Description
2101 ¹ / ₄ 2101 ³ / ₄ 2112 ¹ / ₄ 2112 ³ / ₄ 2114 ³ / ₄ 2114 ³ / ₄ 2124 ¹ / ₄ 2124 ³ / ₄	1 ¼ 1 ¾ 1 ¼ 1 ¼ 1 ¾ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¾	1 ½ 1 3¼ 1 ½ 1 3¼ 1 ½ 1 3¼ 1 ½ 1 3¼ 1 ½ 2	Cast Bronze	Octagon, clear glass, cut Octagon, clear glass, cut Octagon, star cut Octagon, star cut Octagon, clear glass, cut Octagon, clear glass, cut Ball, clear glass, cut Ball, clear glass, cut

All glass drawer knobs packed 1 dozen in a box with $1\frac{1}{2}$ inch x 10-24 RH Iron machine screws and washers.

Note—For side view of any of above knobs, refer to door knobs Pages No. 422-423.

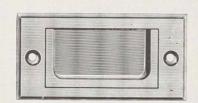
Turn knobs—any of above knobs can be furnished with $\frac{3}{16}$ inch or $\frac{5}{16}$ inch spindle on special order and at additional price. Specify size and length of spindle.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

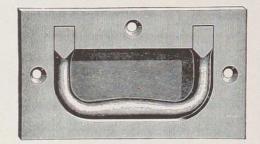
FLUSH DROP HANDLE PULLS



Nos. 1701, 1702 and 1703



No. 1708



No. 1709

Number	Size	Material		
1701	l ¼xl inches	Cast Bronze		
1702	l ½xl ¼ inches	Cast Bronze		
1703	l ¾xl ½ inches	Cast Bronze		
1708	l ½x3¼ inches	Cast Bronze		
1709	2¼x4¼ inches	Cast Bronze		

Packed I dozen in a box with screws. For flush cup handles, refer to Page No. 436. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

SHUTTER **KNOBS**



No. 4



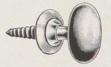
No. 6



Nos. 8, 10 and 12



No. 7



No. 9

Number	Size	Description	Material
4 6 8 10 12 7 9	3/4 inch 3/8 inch l inch l inches l 1/4 inches l 1/2 inches 3/8×1/2 inch l 1/8×3/4 inches	Round Round Round Round Round Oval Oval	Cast Bronze

Packed 1 dozen in a box. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

DRAWER **KNOBS**



No. 4D



No. 6D



Nos. 8D, 10D and 12D



No. 7D



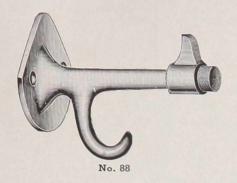
No. 9D

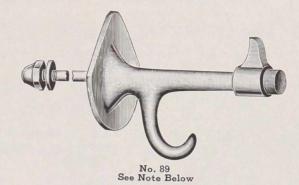
Number	Size	Description	Material
4D 6D 8D 10D 12D 7D 9D	34 inch 78 inch l inch l½ inches l¼ inches 78×½ inch l½8×¾ inches	Round Round Round Round Round Oval Oval	Cast Bronze

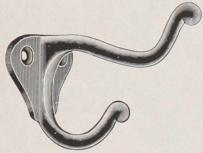
Nos. 4D, 6D, 8D and 7D are packed with 1''-10/24 RH iron machine screws and washers, others with $1\frac{1}{2}''-10/24$. Packed 2 dozen in a box with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

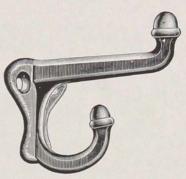
COAT AND HAT HOOKS



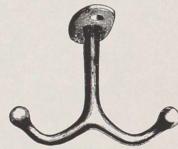




Nos. 1644 and P1644



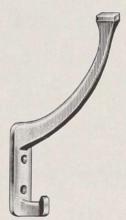
No. P1659



Nos. 1652 and P1652



Nos. 1645 and P1645





Nos. 1658 and P1658

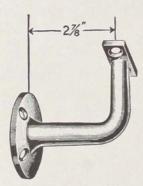
CAST BRONZE, BRASS OR IRON

Packed—Nos. 88 and 89, 1 doz. in a box, No. 1658 and P1658, ½ dozen without screws. Balance 2 dozen in a box, with screws. *When ordering No. 89 hook be sure to specify thickness of partition.
All types of hooks can be furnished in enameled finishes. See Price Book.
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

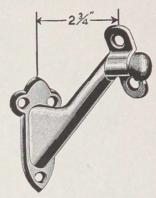
HAND RAIL BRACKETS



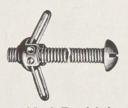
Nos. 16141/2 and P16141/2



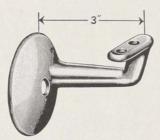
Nos. 1614 and P1614



Nos. 1603 and P1603



Packed With Nos. 1605 and P1605 Specify Length or Thickness of Wall



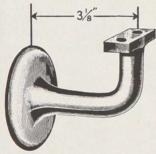
Nos. 1606 and P1606 Type Nos. 1604 and P1604 Type Nos. 1605 and P1605

½″x4″x13 Thread Machine Bolt Furnished With P1607 and P1608 Head End To Be In Wall and Threaded End Extended

dummun



½x3 Inch Lag Screw and Shield Packed With Nos. 1604 and P1604



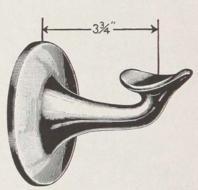
Nos. P1607 and P1609



Nos. P1609 and P1610 ½" Stud Bolt Furnished on Special Order Only



Expansion Shield For Stud Bolt



Nos. P1608 and P1610 For 2½ Inch Rail

For Nos. P1609 and P1610

CAST BRONZE, BRASS OR IRON

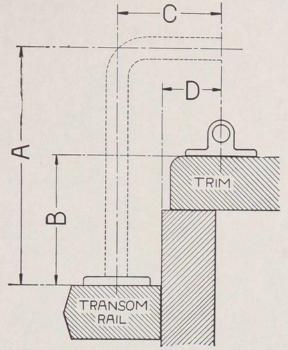
Number	Base Size, Inches	Projection Inches	*Height Inches	Material
1603 P1603 1604 P1604 1605 P1605 1606 P1606 †P1607 †P1608 P1609 P1610 1614 P1614 P1614	3x1 1/4 3x1 1/4 3 3 3 3 3 3 4 4 21/4 21/4 21/4 21/4	23/4 23/4 3 3 3 3 3 3 3 3 3/8 33/4 27/8 27/8 2	1 ½ 1 ½ 1 ½ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 2 ½ 2 ½ 2 ½ 2 ½ 2 ½	Cast Bronze Cast Iron Cast Bronze Mal. Iron Cast Bronze Mal. Iron Cast Bronze Mal. Iron Cast Bronze Cast Bronze Cast Bronze Cast Bronze Cast Iron Cast Bronze Cast Iron

^{*}Distance given is from center of base to underside of rail. Projection is distance from back of base to center of rail.

Packed—No. P1608, 3 in a box. All other types, 6 in a box. †Nos. P1607 and P1608 are drilled, tapped and furnished with ½"x4"x13 thread standard machine bolt. Other length bolts furnished by specifying. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

TRANSOM LIFTERS

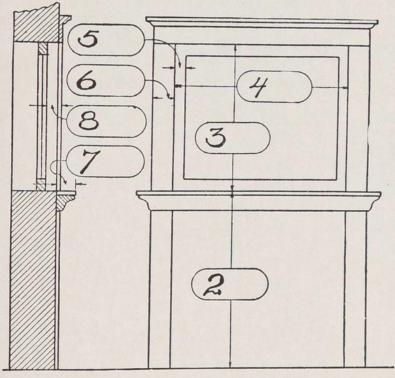
To order Special Transom Lifters, the information requested on this page must be given.



SPECIAL REQUIREMENTS

- A. Length or recess of bracket.
- B. Recess of sash.
- C. Reach of bracket.
- D. Offset of trim.

Section Showing Information Wanted for Special Lifters



Transom Lifters made to suit all special conditions.

On all special orders the following information is necessary.

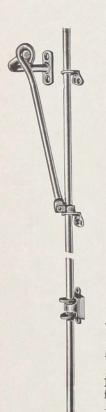
- 1. State how transom is hung. Top or bottom hung, horizontally or vertically pivoted—swinging in or out.
- 2. Distance from floor to bottom edge of transom.
- 3. Height of transom.
- 4. Width of transom.
- 5. Width of transom rail.
- 6. Width of trim.
- 7. Width of any projections.
- 8. Depth of recess.
- 9. Metal, bronze or brass metal, or steel plated.
- 10. Finish.

Measure the depth of recess from the face of the trim to the face of the transom.

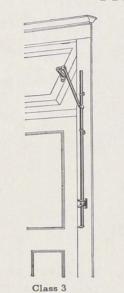
MEASUREMENTS—CLASS 3 AND 4 TRANSOM LIFTERS

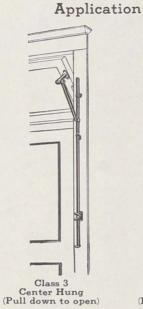
Diameter	Lock	Shell	Bracke	et Foot	End	Caps	Sta	nys	Guide	es Cap	Main Rod
of Rod	Length	Width	Length	Width	Length	Width	Length	Width	Length	Width	Clearance
Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches
1/4	$ \begin{array}{c} 1^{31}/_{32} \\ 2^{5}/_{32} \\ 2^{9}/_{32} \end{array} $	7/8	2 ¹ / ₁₆	3/4	17/32	13 16	7/8	13/16	7/8	13/16	33/64
5/16		1	2 ¹ / ₂	1 1/8	21/32	1 1/16	1 9/64	11/16	19/64	11/16	21/32
3/8		1 1/16	2 ¹ / ₂	1 1/8	11/16	1 1/8	1 1/4	11/8	11/4	11/8	41/64

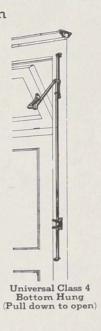
TRANSOM LIFTERS

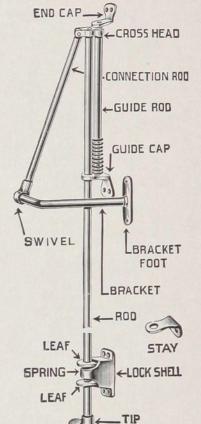


Class 3









Class 4

WE RECOMMEND

Top Hung (Push up to open)

1/4 inch rod for light transoms 36x10 inches. 5/16 inch rod for medium transoms 36x18 inches. 3/8 inch rod for heavy transoms 42x24 inches.

For Length of Rod » Measure from floor to top of transom and deduct

Attach bracket one-half ($\frac{1}{2}$) to two-thirds ($\frac{2}{3}$) of the distance from pivoting point to top or bottom of transom.

The Universal Solid Grip Transom Lifter can be used on every style of Hanging Transoms that open up and down, whether hung at top, bottom or center. Works equally well on transoms fitting flush with the door casing or recessed to any depth up to six inches, without changing any of the parts. Adjusted to escape a projected bead or moulding at the side of door frame. Self-locking solid grip will not allow transom to slip or fall.

Class 3 for Top or Center Hung Transoms

Class 4 for Bottom Hung Transoms

Rod	Length	Steel	Steel	Steel	Bronze or	Steel	Steel	Steel	Bronze or	Wt. Each
Inches	Feet	Coppered	Unpolished	Polished	Brass Metal	Coppered	Unpolished	Polished	Brass Metal	Pounds
1/4 1/4 5/16 5/16 5/16 5/16 5/16 3/8 3/8 3/8 3/8	3 4 3 4 5 6 7 8 4 5 6 7 8 9	CP13 CP14 CP23 CP24 CP25 CP26 CP27 CP28 CP34 CP35 CP36 CP37 CP38 CP37	UP13 UP14 UP23 UP24 UP25 UP26 UP27 UP28 UP34 UP35 UP36 UP37 UP38 UP39	PP13 PP14 PP23 PP24 PP25 PP26 PP27 PP28 PP34 PP35 PP36 PP37 PP38 PP39	13 14 23 24 25 26 27 28 34 35 36 37 38 39	CP113 CP114 CP223 CP224 CP225 CP226 CP227 CP228 CP334 CP335 CP336 CP337 CP338 CP339	UP113 UP114 UP223 UP224 UP225 UP226 UP227 UP228 UP335 UP335 UP336 UP337 UP338 UP339	PP113 PP114 PP223 PP224 PP225 PP226 PP227 PP228 PP334 PP335 PP336 PP337 PP338 PP339	113 114 223 224 225 226 227 228 334 335 336 337 338 339	1 1 2 2 2 2 2 2 2 3 3 4 3 3 3 3

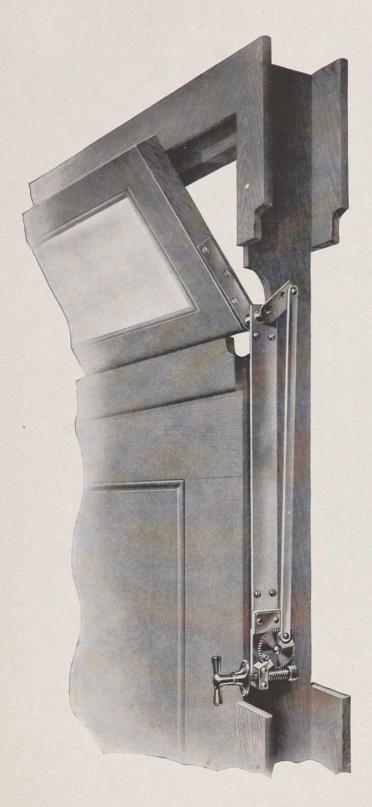
Packed—1/4-inch, 100 in a case, 5/16-inch and 3/8-inch. 50 in a case. All lifters packed complete with screws, except coppered, which are packed without screws.

Specify Number and Finish on all numbers except coppered. Refer to Page No. 36 for description of finishes.

Regular Brackets and Connecting Rods	1/4-inch	⁵ ∕ ₁₆ -inch	3/8-inch
for Classes 3 and 4, are as follows:	Rod	Rod	Rod
Will control sash recessed as much as. Standard reach of regular bracket (center of bracket to center of rod). Maximum height of transom for regular connecting rod. Minimum height of transom for regular connecting rod.	16"	2" 23/16" 22" 10"	2½" 2½" 28" 16"

If recess, reach or height of transom is not covered by above, a special lifter is necessary. Give detail on opposite page. For detailed measurements, see detail Page No. 523.

No. 223 CONCEALED TRANSOM OPERATOR



This transom operator is designed to operate interior door transoms in Office Buildings, Hotels, Hospitals, etc., of practically any size and can be applied to either wood or metal trim, and in partitions as thin as $4\frac{3}{4}$ inches.

This operator may only be used on bottom or center pivoted transoms opening in, and cannot be used on reverse bevel transoms.

Constructed of cold rolled steel, cadmium plated, the transom pivot bearings are bronze bushed. The operating handle is of cast bronze or brass, finished as ordered. The handle is regularly furnished fixed in position, but when so ordered is made so it can be removed.

Both the bottom and center pivoted transoms will pivot on two arms $6\frac{1}{2}$ xl $\frac{1}{4}$ inches which are mortised into the edge of the transom. The lower edge of the bottom rail of the bottom pivoted transom must be rounded to a half-circle radius.

All working parts are attached to a steel plate, allowing the device to be applied as a unit, which is attached to the back of the jamb. A minimum space of $1\,\%$ inches is required beyond the center line of the T-handle, which is suitable for application not less than $1\,\%$ inches or more than $2\,\%$ inches from the edge of the jamb. Adjustment is obtained by blocking up the jamb to a thickness $3\,\%$ inch less than the required backset of the T-handle.

This operator is designed to be regularly placed on the lock jamb of the door with the T-handle permanently affixed. If placed on the butt jamb of the door detachable handles must be used.

When applied to the lock jamb the operator will be the same hand as the door and when applied to the butt jamb the hand will be opposite that specified for the door. In either case the handle will be on the inside for transoms opening in. This operator is not suitable for reverse bevel transoms.

The length from the pivot point of the transom to the center line of the T-Handle is $23^{13}/_{16}$ inches. When the operator is applied to a bottom pivoted transom over a 7 foot door and 3 inch transom bar, the T-handle will be 5 feet $4\frac{1}{16}$ inches above the floor.

All parts except the T-handle and rose are concealed when the operator is applied. The transom is operated by turning the T-handle and can be opened to a 45 degree angle. The transom is locked at any point from closed to wide open.

Orders should give the following information:

Size and thickness of transom.

Are transom and door frames of wood or metal? Height and hand of door.

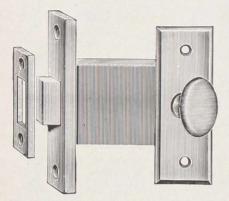
Will operator be applied to lock or hinge jamb? Hand of transom operator.

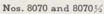
Is operating handle to be detachable?

Full size drawing of section of transom bar also door jamb and trim.

Number	Handle	Projection	Plate
223	3½ inches	25/16 inches	23/8x17/32 inches

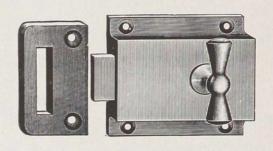
LAVATORY BOLTS AND LATCHES







No. 8073 Dial

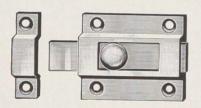


Nos. 8085 and 8085½ Type Nos. 8090 and 8090½

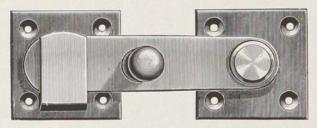
Number	Bolt	Backset Inches	Throw of Bolt Inches	Turn Knob	No. 8073 Wrought Dial 3½ in. Dia.	Material
8070 8070 ½ 8085 8085 ½ 8090 ½	No. 1988 No. 1988 27/6x25/6 x5/8 in. 27/6x25/8 x5/8 in. 27/6x215/6x3/4 in. 27/6x215/6x3/4 in.	1 3/4 1 3/4 1 5/8 1 5/8 1 5/8 1 5/8	7/66 7/16 1/2 1/2 3/4 3/4	1522 x 25 1522 x 25	No. 8073 None No. 8073 None No. 8073 None	Cast Bronze

Packed 3 in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.



No. 8110



No. 8112

Number	Size of Base Inches	Length of Bar Inches	Throw of Bolt Inches	Material
8110	1 ³ / ₄ x2	23/4	3 ³ / ₄	Cast Bronze
8112	2 x2	47/8		Cast Bronze

Packed 6 in a box, complete with screws.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

BOLTS-SCREWS AND NUTS

















Type $A-\frac{1}{4}$ "x12-24x1 $\frac{1}{4}$ " between faces of nuts, acorn head.

Type $B-\frac{1}{4}$ "x12-24x1 $\frac{1}{4}$ " between faces of nuts, spanner head.

Type C-3/4"x12-24 sleeve x 5/8"-12-24 oval, spanner head.

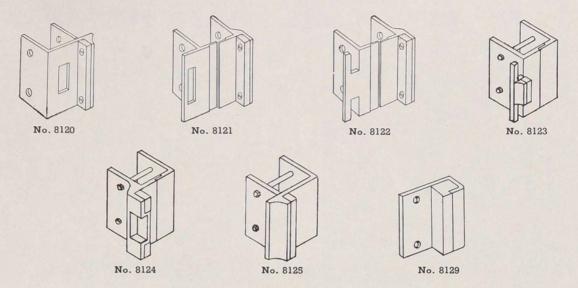
Type D—3/4"-5/32" machine screw, flat spanner head.

Type $E-\frac{3}{4}$ -12-24 machine screw, oval spanner head.

Type F-Flat washer, 3/4 diam. x 1/4" hole.

Type G—Countersunk washer, 7/8 diam. x 3/8" hole.

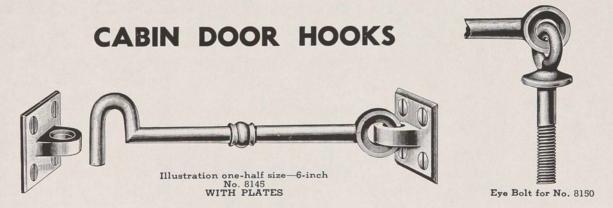
LAVATORY BOLT AND LATCH STRIKES



Adjustable for $1^1\!/_{\!6}{''}$ to $1^1\!/_{\!4}{''}$ Marble Specify Thickness of Marble and Door

Number	Height Inches	Used With Bolt	Doors Opening	Material
8120 8121 8122 8123 8124 8125 8129	2½ 2½ 2½ 2½ 2½ 2½ 2½	Nos. 8070 or 8070½ Nos. 8085, 8085½, 8090, 8090½ and 8110 No. 8112 Latch No. 8112 Latch Nos. 8085, 8085½, 8090, 8090½ and 8110 Bumper Only Bumper Only for Doors	In or Out In In Out Out In or Out	Cast Bronze

Packed—Nos. 8120 to 8125, 3 in a box, with through bolts. Packed—No. 8129, 6 in a box, with wood screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



Number	Length Hook, Inches	Plates Size, Inches	Eye Bolt Size, Inches	Material
8145 8145 8145 8145 8150 8150 8150	4 6 8 12 4 6 8 12	1½x1½ 1½x1½ 1½x1½ 1½x1½ 1½x1½ 1½x1½ 1½x1½ 1½x1½ 1½x1½	3/8x2 1/2 3/8x2 1/2 3/6x2 1/2 3/6x2 1/2	Cast Bronze

Packed 1 dozen in a box, complete with screws. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

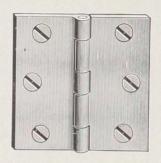
Illustrations One-third Size 527

BUTTS

CABINET BUTTS

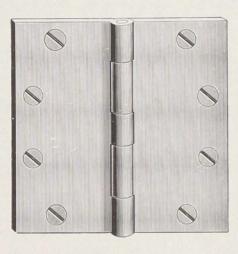


SHUTTER BUTTS



No. 812

TRANSOM BUTTS



No. 814

DOOR BUTTS

CAST BRONZE OR BRASS

Number	Size Inches	Number of Screw Holes	Pin	Tip	*Material	Grade	Approximate Weight Per Pair Without Screws
810 810 810 812 812 812 812 814 814 814 820 820 820	2 x2 2½x2 2½x2½ 3 x3 2 x2 2½x2 2½x2½ 3 x3 3 x3 3 x3 3 ½x3½ 4 x4 3 x3 3 ½x3½ 4 x4	6666666668668	Loose Loose Loose Loose Fast Fast Fast Fast Fast Fast Loose Loose	Ball Ball Ball None None None None None None Ball Ball Ball	Cast Bronze	Light Weight Light Weight Light Weight	4½ oz. 6¾ oz. 8 oz. 11½ oz. 3¾ oz. 6¼ oz. 8¼ oz. 11 oz. 11 oz. 15 oz. 1 lb., 8 oz. 13¼ oz. 1 lb., 5 oz. 1 lb., 9 oz.

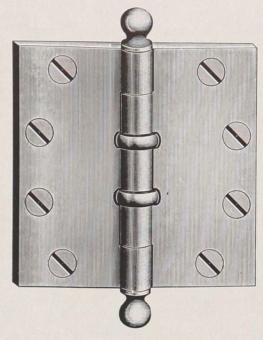
^{*}Made in Cast Brass or Cast Bronze.

Packed—3x3 and smaller, 6 pair in a box. Larger, 1 pair in a box. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

BUTTS



No. 822 Type Nos. 824 and P825



No. BB822—Two Ball Bearings Type No. BB824—Four Ball Bearings

CAST BRONZE, BRASS AND IRON

Number	Size Inches	Number of Screw Holes	Pin	Tip	*Material	Grade	Approximate Weight Per Pair Without Screws
822 822 822 822 822 822 \$22 \$22 \$22 \$22	3½x3½ 4 x4 4½x4½ 5 x4 5 x5 6 x5 6 x6 4 x4 4½x4½ 5 x4 5 x5 6 x6 4½x4½ 5 x4 5 x5 6 x6 4½x4½ 5 x4 5 x5 6 x6 6 x6 4½x4½ 5 x4 5 x5 6 x6 3 x3 3½x3½ 4 x4 4½x4½ 5 x5	6 8 8 8 8 10 10 8 8 8 10 10 8 8 8 10 10 8 8 8 8	Loose	Ball Ball Ball Ball Ball Ball Ball Ball	Cast Bronze Cast Iron	Medium Extra Heavy Medium Medium Medium Medium Medium	1 lb., 6¾ oz. 2 lb., 1¼ oz. 2 lb., 1½ oz. 3 lb., 4 oz. 3 lb., 13¾ oz. 4 lb., 14 oz. 5 lb., 12½ oz. 2 lb., 12½ oz. 2 lb., 12½ oz. 2 lb., 12 oz. 3 lb., 3 oz. 3 lb., 10 oz. 4 lb., 11 oz. 5 lb., 10¼ oz. 6 lb., 12¾ oz. 4 lb., 11¾ oz. 6 lb., 12¾ oz. 4 lb., 13¼ oz. 6 lb., 12¾ oz. 4 lb., 10 oz. 4 lb., 10 oz. 4 lb., 10 oz. 5 lb., 10¼ oz. 6 lb., 10¾ oz. 1 lb., 10¾ oz. 1 lb., 10¾ oz. 1 lb., 10 oz.

^{*}Made in Cast Bronze or Cast Brass.

Nos. 822 and 824 have steel bushings.

[†]Nos. BB822 has two ball bearings.

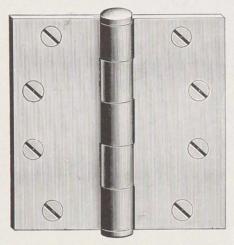
[‡]Nos. BB824 has four ball bearings.

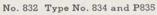
Specify Number and Finish. Refer to Page No. 36 for description of finishes.

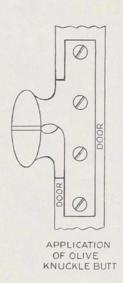
Packed—3x3, 6 pair in a box, with screws; larger, 1 pair in a box, with screws.

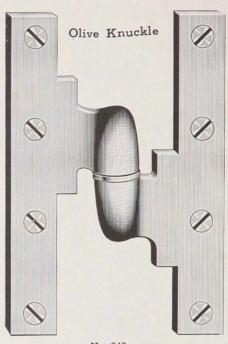
BARROWS

BUTTS









No. 840 Type No. P840

Number	Size Inches	Number of Screw Holes	Pin	Tip	*Material	Grade	Approximate Weight Per Pair Without Screws
832 832 832 832 832 832 834 834 834 834 834 P835 P835 P835	3½x3½ 4 x4 4½x4½ 5 x4 5 x5 6 x5 6 x6 4½x4½ 5 x4 5 x5 6 x5 6 x5 6 x5 6 x5 4½x4½ 5 x4 5 x5 6 x5 6 x5 4 ½x4½ 5 x4 5 x5 6 x5 6 x5 6 x5 4 ½x3½ 4 x4 4½x4½	6 8 8 8 8 10 10 8 8 8 10 10 6 6 8 8	Loose	Button	Cast Bronze Cast Iron Cast Iron Cast Iron Cast Iron Cast Iron	Medium Medium Medium Medium Medium Medium Medium Medium Extra Heavy Extra Heavy Extra Heavy Extra Heavy Extra Heavy Medium Medium Medium Medium Medium	1 lb., 5¼ oz. 1 lb., 13½ oz. 2 lb., 10 oz. 3 lb., 1¼ oz. 3 lb., 11 oz. 4 lb., 8½ oz. 5 lb., 8½ oz. 5 lb., 6 oz. 3 lb., 14¼ oz. 4 lb., 7¾ oz. 6 lb., 7 oz. 7 lb., 12¼ oz. 1 lb., 2½ oz. 1 lb., 2½ oz. 1 lb., 12 oz. 2 lb., 5¼ oz.
P835	5 x5	8	Loose	Button	Cast Iron	Medium	3 lb., ½ oz.

OLIVE KNUCKLE BUTTS-NOT REVERSIBLE-Specify Hand of Door

	Number	Leaf Measurements				Diameter		Approximate		
Number		of Screw	Length Inches	Width Inches	Width Open Inches	Width Between Inches	of Knuckles Inches	*Material	Weight Per Pair Without Screws	
840 840 840 P840 P840 P840	3 5 6 3 5 6	6 8 8 6 8 8	3 5 6 3 5 6	5/8 3/4 13/16 5/8 3/4 13/16	2 ¼ 3 ¼ 3 ¼ 3 ¼ 2 ¼ 3 ¼ 3 ¼ 3 ¼	1 1 3/4 2 1/4 1 1 3/4 2 1/4	1/2 3/4 7/8 1/2 3/4 7/8	Cast Bronze Cast Bronze Cast Bronze Mall Iron Mall Iron Mall Iron	8½ oz. 1 lb., 6½ oz. 2 lb., 6 oz. 7½ oz. 1 lb., 3¼ oz. 1 lb., 14¾ oz.	

^{*}Made in Cast Bronze or Cast Brass. Olive Knuckle Butts—Use 3" for 11/8" doors, 5" for 13/8" doors, 6" for 13/4" doors. Packed 3", 6 pair in a box with screws. Larger, 1 pair in a box with screws. Malleable Iron Butts cannot be polished. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

BARROWS DOOR CLOSERS

DOOR CLOSER SPECIFICATIONS

Door Closers shall be rack and pinion type. They shall be designed to check the door in its opening swing where required. SPRING shall be flat motor clock type. LIQUID shall be mineral oil, non-gumming, and non-evaporating. RACK and PINION must be cold rolled steel. Where Holder Arm Closers are used, they shall be FRICTION type with brass washer between discs to prevent corrosion.

Closers shall bear a two year factory guarantee.

The successful bidder is requested to keep in touch with the progress of the job and have a factory representative visit the building to see that Closers are properly adjusted at the completion of the installation.

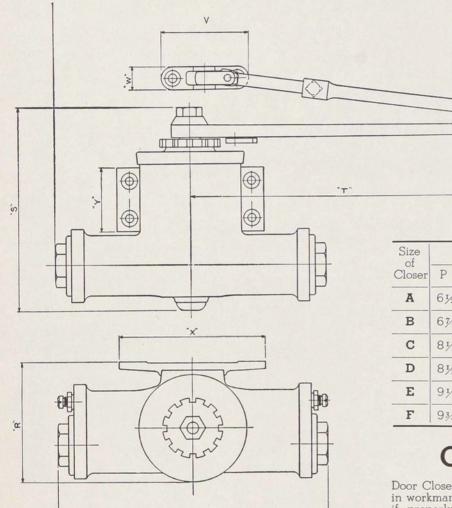


TABLE OF DIMENSIONS

Size	Dimensions										
Closer	P	R	S	T	V	W	X	Y			
A	61/2	31/16	47/8	8	25/16	11/16	33/8	11/2			
В	67/8	31/4	51/2	9	25/16	11/16	315/16	13/4			
С	81/8	35/8	61/4	93/4	27/16	11/16	47/16	115/16			
D	81/2	37/8	67/8	11	27/16	11/16	47/8	21/4			
E	91/8	41/8	77/16	12	25/8	3/4	51/4	23/8			
F	93/4	45/8	81/4	13	25/8	3/4	53/4	25/8			

GUARANTEE

Door Closers guaranteed for two years against defects in workmanship and material if proper size is used and if properly installed in accordance with our recommendations.

FINISHES

All Door Closers will be shipped in **Gold Bronze** Finish unless otherwise specified. The following finishes can be furnished at the same price, by specifying:

Gold Bronze, Dark Maroon, Silver Bronze and Dead Black.

The following metals and finishes can be furnished at additional price:

IRON PLATED

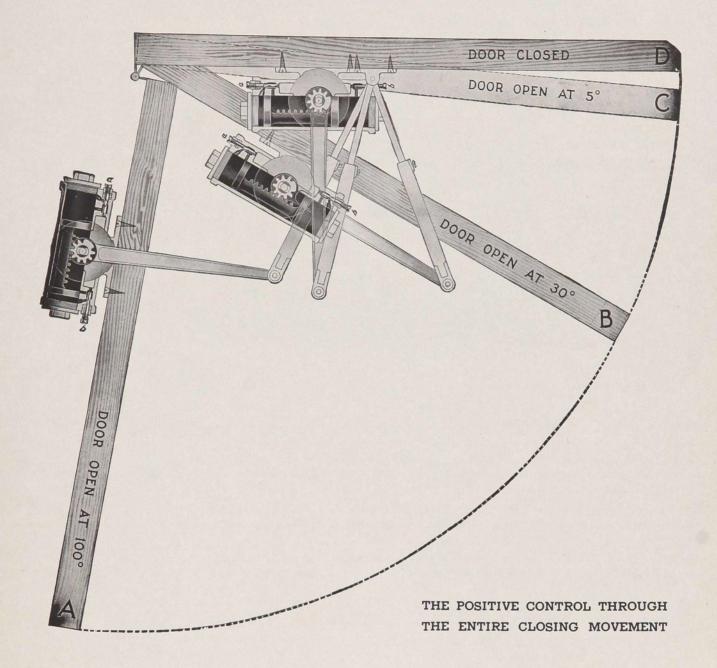
Special Paint Finish
Bronze Plate, Polished
Bronze Plate, Unpolished
Nickel Plate, Polished
Nickel Plate, Unpolished
Statuary Bronze Plate, Polished
Statuary Bronze Plate, Unpolished
Chromium Plate, Polished

When ordering be sure to specify Type, Size and Finish.

BRONZE METAL

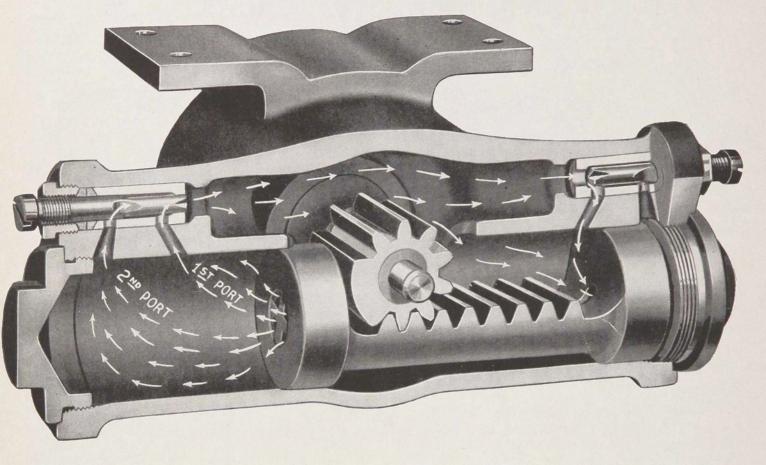
Bronze, Polished, Natural Color Bronze, Unpolished, Natural Color Nickel Plate, Polished Nickel Plate, Unpolished Statuary Bronze, Polished Statuary Bronze, Unpolished Chromium Plate, Polished

POSITIVE CONTROL OF THE RACK AND PINION TYPE CLOSER



In the rack and pinion type the piston is moved back and forth by a pinion working in a rack. No dead center, the piston moves at uniform speed from "A" to "C". The instant the door starts to close the checking begins controlling the movement of the door at any speed desired. At "C" the speed can be regulated to fast or slow by adjusting screw nearest the hinge. This two speed action is secured by one regulating screw, combined with the rack and pinion movement. The Barrows causes NO STRAIN ON HINGES AND DOORS.

SPECIAL LUBRICATION FEATURES



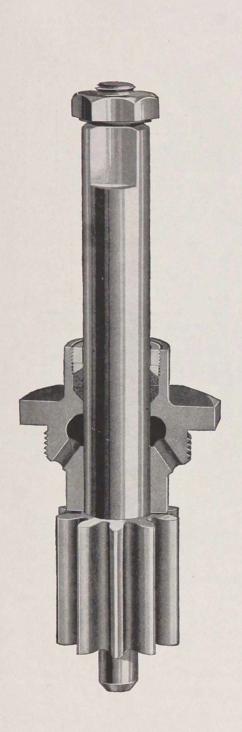
All internal working parts and the end plugs are of steel, making it possible to machine each part to a high degree of accuracy and precision.

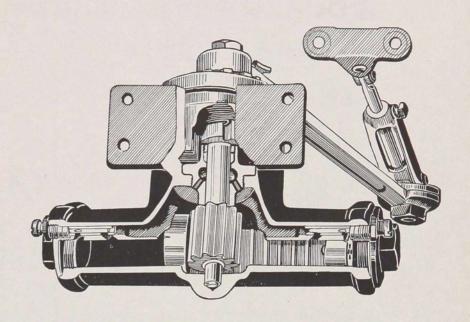
Only two parts in the entire closer are grey iron. (1) The shell, made of the finest quality special analysis grey iron, is smooth and neat yet strong and non-porous. (2) An iron ratchet working against a steel cover is all grey iron annealed or normalized to prevent misalignment in usage.

The new special process tempered steel spring, having more flexibility and power, practically eliminates spring breakage. The power of the Barrows Door Closer is guaranteed to be unsurpassed. The arms are made of certified malleable iron and will not break.

Throughout the entire manufacture only durable and carefully selected materials are used. These correctly engineered parts are properly lubricated as only Barrows lubricates their door closers—adding many years of service for Barrows owners.

LEAKPROOF SHAFT AND PACKING NUT

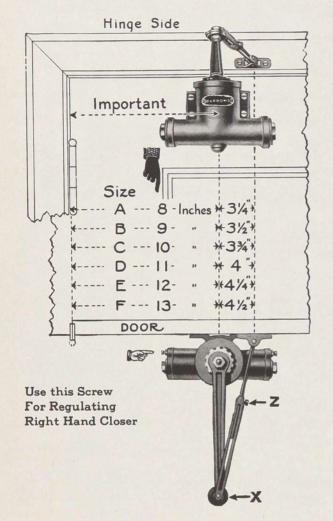


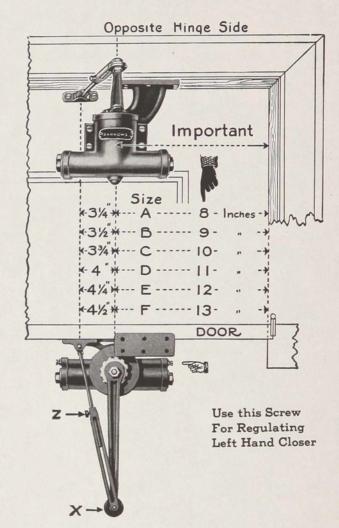


These Door Closers have a new packing nut which is absolutely leakproof. It permits the use of mineral oil, which is more difficult to hold in the closer than glycerine and alcohol, but which has proved far better because of its low evaporating potentialities and its lubricating qualities. (Glycerine and alcohol have practically no lubricating qualities, becoming a gummy mass when the alcohol evaporates. This clogs the closer and ruins the efficiency of the spring.)

The lower part of the packing nut forms a long bearing to prevent side-thrust of the shaft (lubricated from the piston chamber). The clearance between the shaft and packing nut is accurately machined to one-half thousandth of an inch, just enough to allow oil to pass. The oil collects in the reservoir above the bearing and returns to the piston chamber through drip holes. The oil can never climb above the reservoir because capillary attraction is broken at this point. The problem of leakage is solved—practically no friction and wear and always proper lubrication for all working parts.

HOW TO INSTALL DOOR CLOSERS ON DOORS OPENING 100 DEGREES ONLY

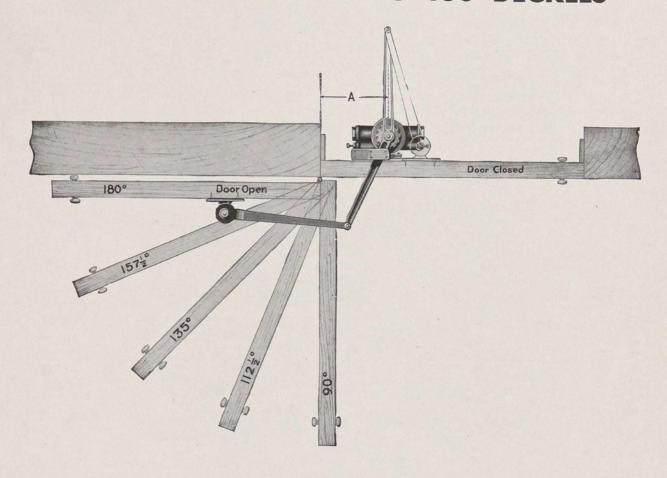




- I. 1—Screw the closer on the door high enough so the arm will clear the door in opening, and out the correct distance from hinge as shown or, if a bracket is used, screw it to the overhead jamb as close as possible to the door and out the correct distance.
 - 2—Screw the forearm shoe to the casing, or door, the correct distance as shown.
 - 3—Place arm on shaft. If holder arm is used, adjusting nut X should be on underside of arm. Leave the main arm at right angles to the door when closed and tighten set screw Z.
 - 4—Screw the nut down TIGHT on top of shaft.
- II. Wind the spring 6 or 7 notches except for doors opening out when 3 or 4 notches will suffice. Be sure SPRING IS NOT WOUND WRONG WAY! For right hand closer wind spring anti-clockwise. Left hand closer wind spring clockwise. The HAND of a closer can be determined by the position of the coil hooks at the back of the cover.
- III. 1—To Regulate Closing Use Only the Screw Nearest the Hinge of the Door.
 - 2—Turn this screw in several turns, leaving screw driver slot in a vertical position, until door comes to a solid stop, about 6 inches from the jamb. Then turn the screw just a little either to the right or left until the speed is right at the latch.

 Note—If door still closes too rapidly, one or two complete turns, leaving the screw adjusted as above (Third No. 2), will correct this.
- IV. To adjust arm, open door to where it is to stop and tighten nut "X". A push or pull on the door will set or release the arm.
 - V. To Change the Hand of a Closer—Remove arm, ratchet and cover. Turn the spring over. Revolve the shaft or spindle one-half turn. Replace parts. Replace holder arm as per directions above. (First No. 3.)

HOW TO INSTALL DOOR CLOSERS ON DOORS TO OPEN AT DIFFERENT ANGLES FROM 100 DEGREES TO 180 DEGREES



The following figures apply to the liquid door closer with regular arms, holder arms and fusible link arms installed on a bracket. The same figures can be used for closers attached to the hinge side of a door opening to 135 degrees.

Where 5" x 5" butts or larger are used, order extra long arms.

To open door to the different angles or degrees as shown in above drawing, the distance "A" should be as follows:

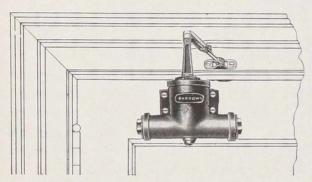
This illustration shows closer installed with 180° Hold Open Arm. Regular arm can be installed the same way.

To Open	Dimension	Size Closer, Inches					N. C. C.
		A	В	C	D	E	F
100° 112½° 135° 157½° 180°	A A A A	8 7 5½ 5 4½	98665	10 9 7 7 6	11 10 7½ 8 6½	12 11 8 9 7	13 12 8½ 10 7½

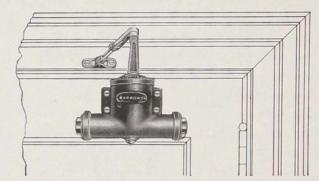
The installation of this type of door closer is simple and requires only the normal amount of attention to instructions as every detail has been engineered for exactness and carefully planned dimensions are given in order to insure the most efficient operation of the closers.

TYPICAL DOOR CLOSER INSTALLATIONS

HINGE SIDE



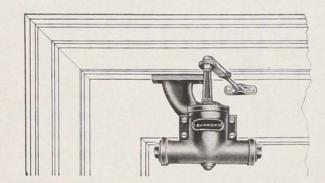
Right-Hand Closer on Right-Hand Door



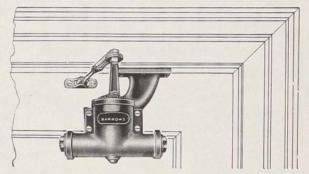
Left-Hand Closer on Left-Hand Door

OPPOSITE THE HINGE SIDE ON A BRACKET

When a closer is installed on a bracket it is the opposite hand to the door.

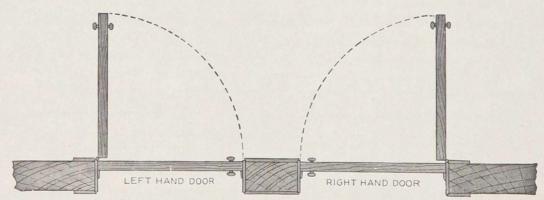


Right-Hand Closer on Opposite Hinge Side of a Left-Hand Door



Left-Hand Closer on Opposite Hinge Side of a Right-Hand Door

HOW TO DETERMINE THE HAND OF A DOOR



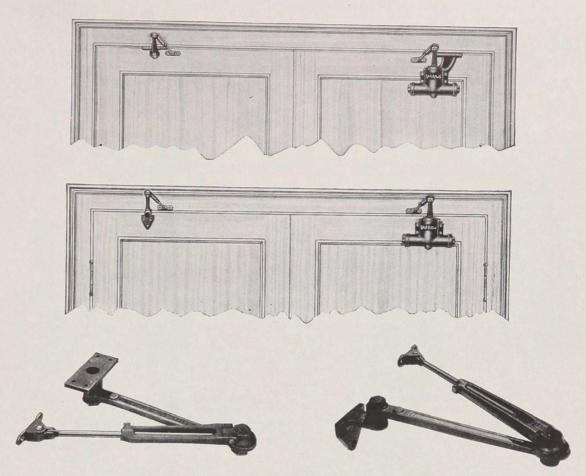
Use Left Hand Closer Regular Use Right Hand Closer when used with Bracket

It is a Left Hand Door if it swings to the left

Use Right Hand Closer Regular
Use Left Hand Closer when used with Bracket

It is a Right Hand Door if it swings to the right

HOLDER ARMS WITH SOFFIT POST AND HINGE SIDE BRACKETS



DESCRIPTION

The Holder Arm with Soffit Post Bracket illustrated at the top of this page is intended to be used on the standing door of a pair of doors. The appearance then is similar to that of the operating door which is equipped with a Barrows Holder Arm Closer on a soffit bracket. This arm is illustrated in greater detail in the lower left hand cut.

When you want to put the closer and this arm on the hinge side of the doors, we can supply the arm with a hinge side bracket. The installation is shown in the middle illustration and the arm in the lower right hand cut.

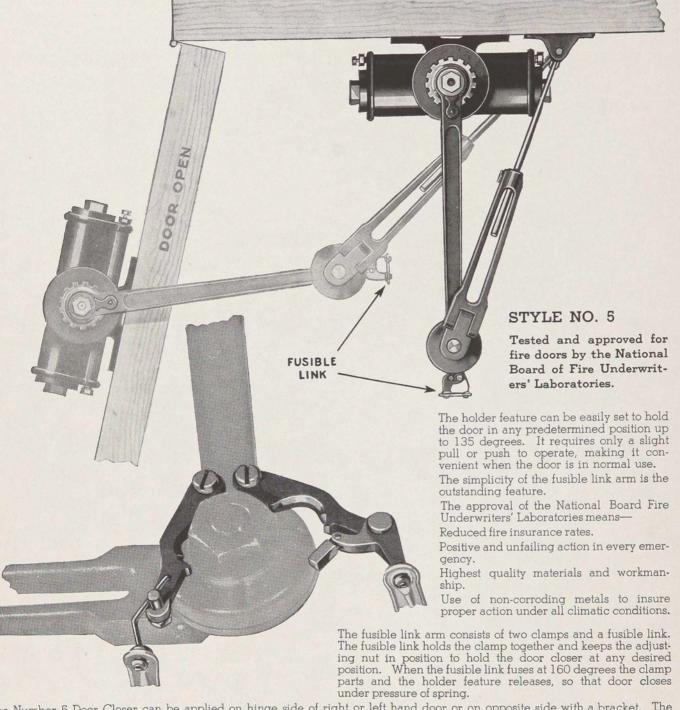
This type of equipment is especially useful on doors to auditoriums and gymnasiums. While a crowd is entering, the operating door only is open and is held open by the holder arm on the closer. While the crowd is leaving, both doors are open and are held in position by the holder arms.

HOLDER ARMS USED IN PLACE OF CLOSER ON INACTIVE DOOR

Size	Description	
C-SP D-SP E-SP F-SP C-HS D-HS E-HS F-HS	With soffit bracket, for application opposite side from hinges With soffit bracket, for application opposite side from hinges With soffit bracket, for application opposite side from hinges With soffit bracket, for application opposite side from hinges With bracket, for application same side as hinges	

Closers and bracket not included. Specify at additional price. Gold Bronze Finish will be shipped unless otherwise specified. Page No. 532. Packed, one wrapped, with screws.

FUSIBLE LINK DOOR CLOSER



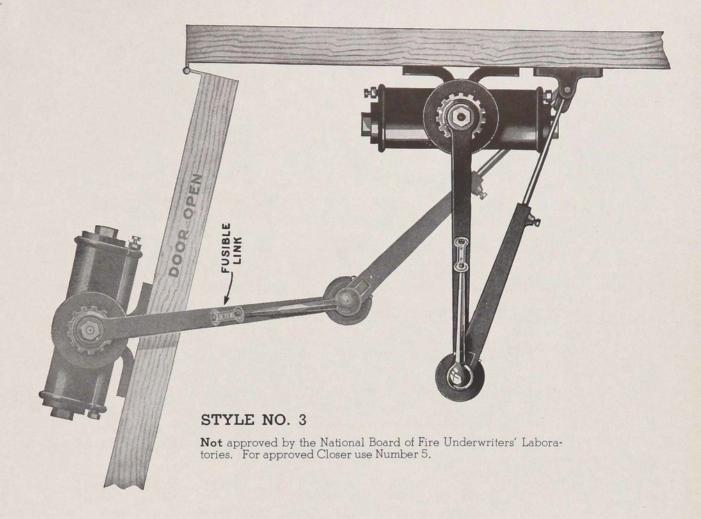
The Number 5 Door Closer can be applied on hinge side of right or left hand door or on opposite side with a bracket. The door is under perfect control until it is latched. It can be adjusted by screw so it will close slowly and silently or with release action so when door is closed, checking power is released and the full spring power will snap the door closed. Standard arms permit door to open 135 degrees.

REVERSIBLE—For Right or Left Hand, by Reversing Spring

Number	Material	For Metal Doors where Normal Conditions Prevail	Packed in Case
5C 5D 5E 5F	Iron Iron Iron Iron	Corridor and office doors, 3'x7'x1 34". Exterior doors and heavy interior doors, 4'x7'x2 4". Heavy exterior doors and heavy interior doors, subject to strong draft, 3'6"x7'6"x2 4". Extra heavy exterior doors of unusual height and width.	12 12

Doors with heavy glass panels and doors subject to unusual drafts require larger closers than wood doors of equal size. Specify if regulating key instead of regulating screw is required. Page No. 545. Specify if "Bronze Metal" closer is required. Gold Bronze Finish will be shipped unless otherwise specified. Page No. 532. Packed one in a box, with screws.

FUSIBLE LINK DOOR CLOSER



The Number 3 Door Closer can be applied on the hinge side of right or left hand door or on the opposite side with a bracket. The door is under perfect control until it is latched. It can be adjusted by screw so it will close slowly and silently or with release action so when door is almost closed checking power is released and the full spring power will snap door closed. The fusible link fuses at 160 degrees. Standard arms permit door to open 135 degrees. Can furnish special arms to open door 180 degrees at additional price.

NOT REVERSIBLE—Specify Hand. When Used with Bracket Turn Arms Upside Down.

Number	Material	For Metal Doors where Normal Conditions Prevail	
3C 3D 3E 3F	Iron Iron	Corridor and office doors, 3'x7'x1¾". Exterior doors and heavy interior doors, 3'x7'x2¼". Heavy exterior doors and heavy interior doors, subject to strong draft, 3'6"x7'6"x2¼" Extra heavy exterior doors of unusual height and width	12 12

Doors with heavy glass panels and doors subject to unusual drafts require larger closers than wood doors of equal size. Specify if regulating key in place of regulating screw is required. Page No. 545.

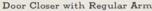
Specify if solid bronze metal closer is required.

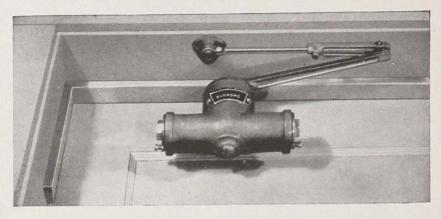
Gold Bronze Finish will be shipped unless otherwise specified. Page No. 532.

Packed one in a box, with screws.

DOOR CLOSERS







Door Closer with Parallel Arm

REGULAR ARM DOOR CLOSER

The Regular Arm Door Closer can be applied on the hinge side of a right or left hand door or on the opposite side with bracket. The door is under perfect control until it is latched. It can be adjusted by screw so it will close slowly and silently or with "release action" so when door is almost closed the checking power is released and the full spring power snaps the door closed. The regular arm will permit the door to open up to 135 degrees. If up to 180 degree opening is required, the closer can be moved towards the hinge jamb, as shown on Page No. 537, which decreases the spring power, or by using extra long arm which must be specified. which must be specified.

REVERSIBLE FOR RIGHT OR LEFT HAND DOOR BY REVERSING SPRING

Size	Material	For Wood Doors where Normal Conditions Prevail	Packed in Case
A-RA B-RA C-RA D-RA E-RA	Iron Iron Iron Iron Iron	Screen door and light interior doors, 2'6"x6'6"x1½" Heavy screen doors and light interior doors, 2'8"x7'0"x1½" Corridor, office and light interior doors, 3'0"x7'0"x1¾" Exterior doors and heavy interior doors, 3'0"x7'0"x2¼" Heavy exterior doors and heavy interior doors subject to strong drafts, 3'6"x	12 12 12
F-RA	Iron	7'6"x2½"Extra heavy exterior doors and interior doors of unusual height and width	6

Metal doors, doors with heavy glass panels and doors subject to strong drafts require larger closers than wood doors of equal size. Specify if regulating key in place of regulating screw is required. Page No. 545. Specify if solid bronze metal closer is required.

Gold Bronze Finish will be shipped unless otherwise specified. Page No. 532.

Packed 1 in a box, with screws, wrench and instruction sheet.

PARALLEL ARM DOOR CLOSERS

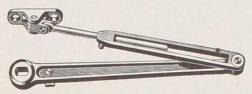
This type of installation is used when there is not space enough between two doors for the projection of the regular arm. It can also be used where there is not enough head room for closer to be installed on a bracket. This type of installation is not recommended where it is possible to avoid it because the position of the parallel arm on the closer reduces the spring closing power approximately one-half and the closer cannot give the perfect control it should. One size larger than specified for regular closer should be used, which will help to overcome the weakness of this installation. This type of closer can be furnished with Holder Arm.

REVERSIBLE FOR RIGHT OR LEFT HAND DOOR BY REVERSING SPRING

Size	Material	For Wood Doors where Normal Conditions Prevail	Packed in Case
A-PA B-PA C-PA D-PA E-PA F-PA	Iron Iron Iron Iron Iron Iron	Very light screen doors. Screen doors and light interior doors, 2'6"x6'6"x1 ½". Heavy screen doors and light interior doors, 2'8"x7'0"x1 ½". Corridor, office and light interior doors, 3'0"x7'0"x1 ¾". Exterior doors and heavy interior doors, 3'0"x7'0"x2 ¼". Heavy exterior doors and heavy interior doors subject to strong drafts, 3'6"x 7'6"x2 ¼".	12 12 12 12

Metal doors, doors with heavy glass panels and doors subject to strong drafts require larger closers than wood doors of equal size. Specify if regulating key in place of regulating screw is required. Page No. 545.

Specify if solid bronze metal closer is required. Gold Bronze Finish will be shipped unless otherwise specified. Page No. 532. Packed 1 in a box, with screws, wrench and instruction sheet.

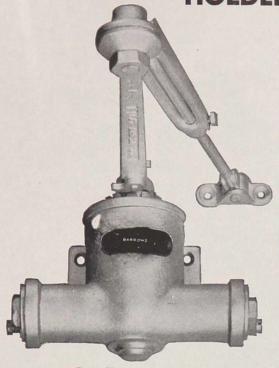


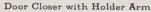
Extra Long Arm
For door openings from 135 degrees up to 180 degrees.

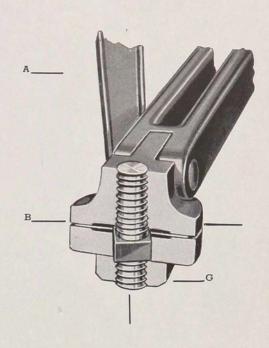


Parallel Arm

HOLDER ARM CLOSERS







DESCRIPTION

The Holder Arm Door Closer can be applied on the hinge side of a right or left hand door or on the opposite side with bracket. The door is under perfect control until it is latched. It can be adjusted by screw so it will close slowly and silently or with "release action" so when door is almost closed the checking power is released and the full spring power snaps the door closed. By a simple adjustment the regular holder arm may be set to hold the door at any degree of opening up to 135 degrees. If greater opening is required specify with 180 degree arm.

By a simple adjustment the regular holder arm may be set to hold the door at any degree of opening up to 135 degrees. It greater opening is required specify with 180 degree arm.

The detail drawing illustrates how the hold open feature works.

When the door is opened the main arm "A" prevents the jack-screw "E" from turning because of the square shank. At the same time the motion of the arms forces the holder head "D" to screw down on the jack-screw. That brings the surface of "B" and "D" together and the friction between them holds the door open. To prevent any possibility of corrosion making them "freeze" together while the door is held open for long periods, a brass non-corroding disc is inserted between them. The point at which the door is held open is easily determined by the adjusting nut "G". The friction surfaces are brought together by tightening the nut, and by loosening it this action is delayed until the door is opened wider. The holder feature is suited for use on entrance doors, auditoriums, gymnasiums, class rooms and practically all public building doors.

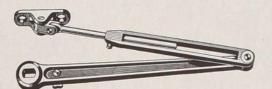
DOOR CLOSERS WITH HOLDER ARMS

REVERSIBLE FOR RIGHT OR LEFT HAND DOOR BY REVERSING SPRING

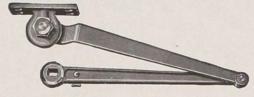
Size	Material	For Wood Doors where Normal Conditions Prevail	Packed in Case
A-HA B-HA C-HA D-HA E-HA	Iron Iron Iron Iron Iron	Screen doors and light interior doors, 2'6"x6'6"x1½". Heavy screen doors and light interior doors, 2'8"x7'0"x1¾". Corridor, office and light interior doors, 3'0"x7'0"x1¾". Exterior doors and heavy interior doors, 3'0"x7'0"x2¼". Heavy exterior doors and heavy interior doors subject to strong drafts, 3'6"x	12 12 12
F-HA	Iron	7'6"x2'1/4". Extra heavy exterior doors and doors of unusual height and width	6

Metal doors, doors with heavy glass panels and doors subject to unusual drafts require larger closers than wood doors of equal size. Specify if key type regulating screw in place of regular screw is required. Page No. 545.

Specify if solid bronze metal closer is required. Gold Bronze Finish will be shipped unless otherwise specified. Page No. 532. Packed 1 in a box, with screws, wrench and instruction sheet.



Regular Holder Arm
Regular Holder Arm packed with Holder Arm Door Closer.
Permits door opening up to 135 degrees.



180 Degree Holder Arm
180 Degree Holder Arm packed with Holder Arm Door Closers
when ordered. Permits door opening up to 180 degrees.

Three Point Hospital Holder Arm Door Closers can be furnished to order. Send specifications and information will be submitted.

DOOR CLOSER BRACKETS





Corner



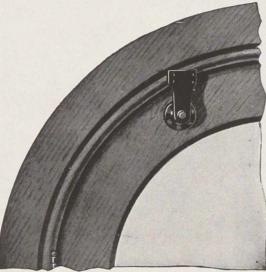


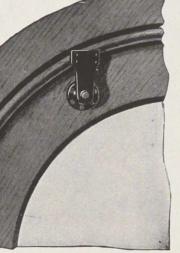


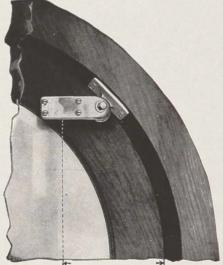
Extension Corner

G. J. Corner











Adjustable

Offset Bracket on the Hinge Side of Door

Adjustable Bracket on Opposite the Hinge Side of Door

The most efficient service from a door closer can be expected only when it is placed in the proper position. The Barrows brackets have been built to accommodate the many and varied door conditions. Special brackets are made to order.

Soffit Brackets used where there is room on the overhead jamb. This places the door closer to best advantage.

Corner Brackets used only when door opens to 180 degrees or when the head room is too low.

Flush Brackets used when the Soffit (or jamb) is not wide enough to receive a Soffit bracket.

Extension Corner Brackets used with HA Closers.

G. J. Corner Brackets used to avoid interference with separate door holders.

Adjustable Brackets used for circular top doors when the closer is placed on opposite the hinge side of the door.

Offset Brackets used for circular top doors when the door closer is placed on the hinge side of the door.

WIDTH OF BASE

Style	Dimensions of Brackets					
For Door Closers	A	В	C	D	E	F
Soffit. Corner. Adjustable. Offset. Flush. G. J. Corner. Extension Corner.	1 ¹ / ₁₆ 1 2 33/ ₈ 23/ ₈	13/8 1 2 33/8 29/16	1 3/8 1 5/16 2 1/2 3 5/8 2 9/16 1 5/16	1 ½ 1 3/8 2 ½ 3 5/8 2 13/16 1 3/8 1 5/16	13/4 19/16 21/2 35/8 3 19/16 11/2	13/4 15/8 21/2 35/8 27/8

Gold Bronze finish will be shipped unless otherwise specified. Page No. 532.

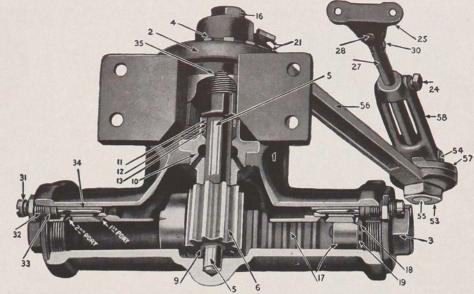
Packed one wrapped in heavy paper.

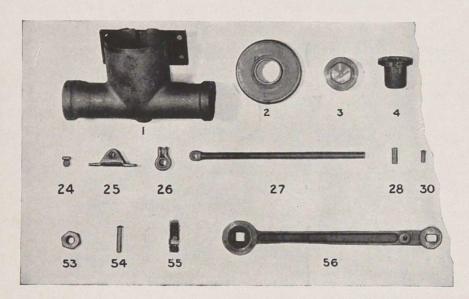
DOOR CLOSER PARTS

DOOR CLOSER LIQUID

A mineral oil, non-gumming and non-evaporating.

Packed in cans of: 1/2 pints, pints, guarts, 1/2 gallons, gallons, 5 gallons.





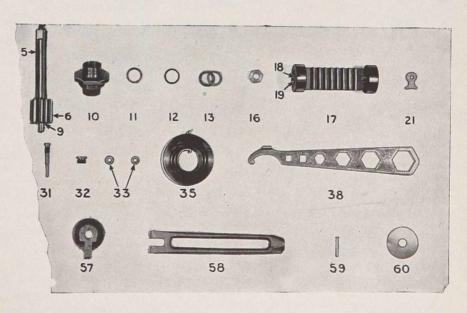
Shell 123 Cover End Plug Ratchet Packing Nut Gland Nut 10 11 Packing Ring Shaft Packing Shaft and Packing Nut Comp. 12 13 14 Top Nut 17-18-19 Piston Complete 21 22 24 25 Pawl Regular Pawl Rivet Loop Set Screw Shoe Shoe Connection Connecting Rod 26 27 28 30 20X 27X 31 32 33 35 Shoe Rivet Shoe Connection Rivet Regular Arm Comp. Conn. Rod and Shoe Comp. Regulating Screw Bushing Regulating Screw Packing (2)

38	Spanner Wrench
39	Wood Scrs. or Mach. Scrs. (6)
53	Jam Nut
54	Loop and Head Rivet
55	Jack Screw
56	Main Holder Arm
P7	TT-1.1. TT1
57	Holder Head
58	Holder Loop
59	Holder Pawl Rivet
60	Brass Disc

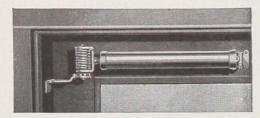
Key Regulating Screw—Public buildings, etc., should have door closers of which the closing action is con-trolled by an authorized person. This can be accomplished by a separate key used in place of the Regulating Screw, Part Number 31. Must be specified.

Specify size of closer.

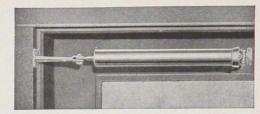
Specify Finish, Page No. 532, when ordering Parts 1, 2, 3, 4, 25, 26, 27, 56 and 58.



SCREEN DOOR CLOSERS



No. 4 Screen Door Closer



No. 04 Screen Door Closer

DESCRIPTION

Number 4 Screen and Combination Door Air Check for either right or left hand door. Can be applied between two doors where the space is two inches or more. Spring can easily be replaced in case of it being broken. The bracket for attaching to jamb and the hinge plate for attaching to door are heavy steel stampings. The cylinder is seamless **brass** tubing with a piston of cup leather with tension spring to hold against side walls of cylinder which insures checking at all times.

Description	Dimensions, Inches
Cylinder, seamless brass, diameter Bracket, steel, for attaching to jamb. Hinge plate, steel, for attaching to door Spring, steel, compressed. Minimum Space for Application Between Doors	1058x1 ¹ / ₄ 136x136 136x1 ¹ / ₈

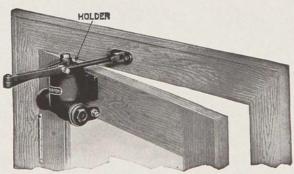
Packed, one in a box, with wrench, screws and instruction sheet. Finish, Regular, Gold Bronze.

Number 04 Screen Door Air Check for either right or left hand doors. The bracket for attaching to jamb and the hinge plate for attaching to door are heavy steel stampings. The cylinder is seamless **brass** tubing with concealed compression spring inside of cylinder.

Description	Dimensions, Inches
Cylinder, seamless brass, diameter Bracket, steel, for attaching to jamb. Hinge plate, steel, for attaching to door Spring, steel. Minimum Space for Application Between Doors	1 ½x ¾ 1 3/8x1 ¼

Packed one in a box, with screws and instruction sheet. Finish, Regular, Gold Bronze.

TELEPHONE BOOTH DOOR CLOSER



Size B-TB

B-TB Closer—Returns the door to approximately four inches of closed position, which shows booth is unoccupied and also ventilates the booth. Door is fully closed by occupant after entering booth.

The construction of the special feature of this closer is very simple. As the door nears the jamb a pin in the cover catches a similar pin in the ratchet and holds the spring power. As soon as that occurs, the inertia of the liquid in the closer stops the door and holds it there until the occupant of the booth pulls the door shut by hand. The door cannot be slammed shut because the regulating screw controls the motion whether the closer is operated by the spring or by hand. Another valuable feature which may be had, without extra cost, is the back-check, which controls the door in opening so that it cannot be thrown back against a wall or other obstruction, or against the door of the next booth.

Gold Bronze Finish will be shipped unless otherwise specified. Page No. 532.

Packed one in a box, with screws and instruction sheet. Each 10 pounds.

For coupon booth door closer, refer to Page No. 380.

Von Duprin

Self-Releasing Fire and Panic Exit Devices

You Duprin Self-Releasing Fire and Panic Exit Devices

Because of the outstanding merit and universal acceptance of Von Duprin Devices, we are pleased to recommend them and offer the following leading types. Listed according to their relative value.

MORTISE LOCK AND SURFACE APPLIED DEVICES Type "B2"-Highest Grade, Drop Forged Bronze, Noncomparable in quality, double acting......552 Type "V1"-Very High Grade, Semi Drop Forged Bronze, Above all competition, double acting......556 Type "X"—Unrivaled in quality, Semi Drop Forged Bronze, Competitive in price, single acting.......558 "W"-Competitive Grade, single acting, Sturdy in construction..... -Competitive Grade, single acting,

RIM DEVICES
Page
Type "A2"—Master—Highest Grade, Drop Forged Bronze, Non-comparable in quality, double acting550
Type "A"—Bulldog—Heavy duty, single acting, Non-competitive
Type "A"—Standard—High Grade, single acting, Competitive in price
-also Von Duprin Auxiliary Equipment
Compensating Astragal Hardware559All-weather Extruded Threshold560Removable Mullion561Co-ordinating Device562

Note: Many other Von Duprin Devices and Items are available for special conditions and purposes. We will gladly furnish data on request.

INFORMATION REQUIRED WHEN ORDERING VON DUPRIN DEVICES

Always Take Measurements from Exterior Side of Doors

1. Width (each individual door).

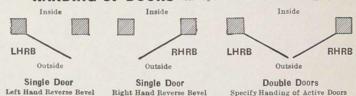
Shipped knocked down for jobbing stock.....553

- 2. Height of Door.
- 3. Width of Stile (Mortise cylinder sets cannot be used on stiles less than $4\frac{1}{2}$ " wide, $1\frac{3}{4}$ " thick).
- 4. Thickness of Door.
- 5. Handing of Door from outside. (See below) LHRB or RHRB.
- 6. Detail of Astragal (see below). Avoid trouble by using Von Duprin Compensating Astragals.
- 7. Thickness of Stops.
- 8. Threshold (refer to Page No. 560) if not included in order, advise type of sill, ie-stone, cement, metal or wood and give detail.

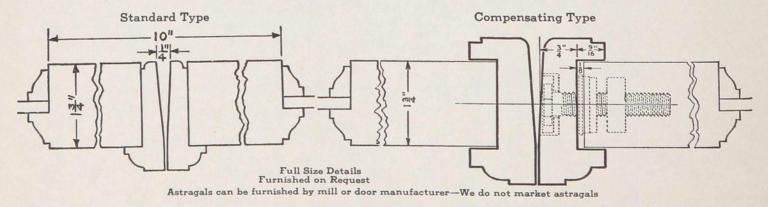
- 9. Catalog Number of Devices.
- 10. Finish desired.
- 11. If for Hollow Metal Doors, state it; or advise what members are to be applied with machine screws.
- 12. If ordered "less cylinders"—specify whose make will be used. Be careful to secure all details and information correctly—it will avoid delay and dissatisfaction.

Because devices are made up to fit the particular doors for which you order same, they are considered special. Special made goods are not returnable.

HANDING OF DOORS-Always Determined from Outside



Von Duprin Astragals



If doors have overlapping astragals, the device on the Active Door must be of the Mortise Lock Type with open back strike to make egress possible through the Inactive Door. Use Von Duprin Co-ordinator No. 1243 (Refer to Page No. 562), which assures the closing of the inactive door before the active door closes.

"Why Fon Duprin Uses Drop Forged Brass and Bronze"

Forged by a 650-Ton (1,300,000 Lb.) Lobster Plate Hydraulic Press

Drop Forged Hardware is not a new idea. For example, Forged Bronze Pivots made in 1779 (in perfect condition today) have, since that date, supported Main Auditorium doors in the San Gabriel Mission, Los Angeles. This door, 4'-3" wide, 13'-0" high, $5\frac{1}{2}$ " thick, has been operated thousands of times every week by the sight-seeing public.

It is a commonly known fact that the process of Drop Forging, or hammering, iron and other metal, forces the molecules into closer relationship, making the metal more dense, gives it greater tensile strength and far more efficient wear.

Recognizing these superior qualities of Drop Forgings over sand castings, we have adopted the process of Drop Forging VON DUPRIN Types A2 and B2. Even though we have included further refinements, we offer same at no advance in price.

Note these comparisons:	Average Tensile	Density	Hardness
	Strength Pounds	of	of Metal by
	Per Square Inch	Metal	Brinnel Test
VON DUPRIN Drop Forged Brass or Bronze. Structural Steel Cast Bronze Gold	60,000 24,000	9.0 7.8 8.52 19.32	†175 179 60

*Test by Armour Institute of Technology, Chicago, Illinois. †All interior functioning members are forged from bearing metal and have a test of 175 Brinnel, except the cam, part No. 3BC, which has a test of 225 Brinnel. Because of this uneven texture, non-wearing anti-friction contact points are obtained.

VON DUPRIN DROP FORGED DEVICES WILL WITHSTAND USE AND ABUSE, AND, WHEN PROPERLY INSTALLED, WILL OUTLAST THE LIFE OF THE AVERAGE BUILDING.

Special Note—In Types 'X' and "V" VON DUPRIN Devices the cross bar lever arms, top and bottom latch case assemblies, rod guides and the standard exterior trims are all of Drop Forged brass or bronze.

Finish Hardware requirements for underwriters' labeled swinging hollow metal and metal clad paneled (Kalamein) fire doors

We have prepared for your convenience the following schedule and data which is subject to the approval of the authorities having jurisdiction.

For Hardware that is listed for use on Labeled Doors, refer to the latest "Underwriters' Laboratories List of Inspected Fire Protection Appliances" and "Regulations of the National Board of Fire Underwriters for the Protection of Openings in Walls and Partitions against Fire."

Hardware for Hollow Metal and Kalamein Fire Doors in Class B, C, D, or E Situations, not over 8 feet in height.

Single Doors

BUTTS—.134 ga. steel 4½"—Full Mortise, Hal Surface or Full Surface—see note 1. or .180 ga. bronze 4½"—Full Mortise—see note 1.

*DOOR CLOSERS—Self-Closing or Heat Actuated (Fusible Link) Type—see

LOCKS—Single point Latch with 34'' throw;— (VON DUPRIN) No $22\,\%$, $24\,\%$, NL24% and 2430% when used with Types B², V¹ and X

Doors in Pairs

BUTTS—.134 ga. steel 4½"—Full Mortise, Half Surface or Full Surface—see note 1. or .180 ga. bronze 4½"—Full Mortise—see note 1.

*DOOR CLOSERS—Self Closing or Heat Actuated (Fusible Link) Type—see note 2.

ACTIVE DOOR—Single point Latch with 34" throw;—
(VON DUPRIN No. 2234, 2434, NL2434 and 243034 when used with Types B2, V1, and X.

INACTIVE DOOR—Top and Bottom Throw or Self-Latching Bolts;—
(VON DUPRIN No. 11273/4B², 611273/4V and 231273/4X.

Co-ordinator or Interference Device (VON DUPRIN No. 1243 x 1244)—see note 3.

Underwriters' classification and maximum size of openings that may be equipped with labeled doors

Classification	Location of Openings	Hollow Metal Doors		Kalamein Doors	
Classification	Location of Openings	Single, Feet	In Pairs, Feet	Single, Feet	In Pairs, Feet
Class "A" Situations Class "B" Situations	In Fire Walls	4 x 10	8 x 10	Cannot b	ear Label
Class "C" Situations Class "D" Situations	In Corridor and Room Partitions. In Exterior Walls (Severe Fire Exposure)	4 x 10	8 x 10	4 x 10	8 x 10
Class "E" Situations Class "D" Situations Class "E" Situations	In Exterior Walls (Moderate Fire Exposure) To Exterior Fire Excapes (Severe Fire Exposure) To Exterior Fire Escapes (Moderate Fire Exposure)	4 x 10	6 x 10	4 x 10	6 x 10

Notes referred to in above:

- 1. SPACING OF BUTTS—Doors not exceeding 5: eet in height are to be provided with at least two butts. Doors over 5 feet in height are to be provided with one butt for each 2½ feet in height or fraction thereof. BRONZE BUTTS can be used only when jamb of the frame is provided with a steel stud and rear edge of door with a steel socket or vice versa. One stud and socket to be provided for each butt.
- DOOR CLOSERS—It is essential to determine from local authorities the exact type of Closing Mechanism which is considered satisfactory for a particular installation.
- CO-ORDINATORS or INTERFERENCE DEVICES are not specifically mentioned in the Underwriters' Listings, but are considered as a part of the Inactive Door Hardware and deemed necessary so as to assure the closing of the inactive door first.
- SURFACE APPLIED HARDWARE is to be secured to Kalamein Doors by bolting through door; to Hollow Metal Doors with Machine Screws into steel reinforcements on the inside of door stiles or rails.
- DOORS EQUIPPED WITH ONLY PULL AND PUSH PLATES (without latch) are not approved and will not bear Underwriters' Label. Certificate may be obtained should doors be constructed to Underwriters' specifications.
- 6. OVERLAPPING ASTRAGALS are required on both sides of doors in pairs in Class A Situations and on one side only of doors in pairs in Class B, C, D, or E Situations.
- THE ULTIMATE PURPOSE of Hardware required for Underwriters' Labeled Fire Doors is to assure that doors will close and latch and remain so during Fire Exposure.



THE NEW-DEULLY FORGED-TYPE A2 Rim Device

"MASTER" TYPE-NON-COMPETITIVE

The highest quality self-releasing exit device with rim latch and lock

FOR SINGLE DOORS AND DOUBLE DOORS WITH MULLIONS-OPENING OUTWARD

Designed to give the balanced appearance heretofore obtainable only in mortise lock devices and engineered to include every desirable feature required in exit device operation—with backsets so as to center Outside Trim on Stiles of various widths.

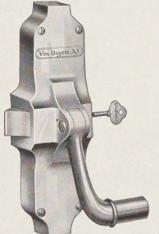
DOUBLE ACTING: a slight pressure against, or pull up, on the crossbar will withdraw the latch-bolt from its housing.

HEAVY PULLMAN LATCH-BOLT has 3/4" throw with easy spring action and pivots on monel metal axle. (Extra quick release eliminates binding in jamb strike).

ADJUSTABLE ROLLER STRIKE with anti-friction bronze roller. DOUBLE COMPRESSION SPRINGS.



Special



ALL DROP-FORGED BRASS OR BRONZE

Regular

Backset Latch Face to Center of Lever	13/4"	21/8"
*Backset of Trim— When stop is ½"	23/8"	23/4"
†Outside trim will center on stiles	5" wide	5½" wide
†Minimum stile using regular trim4	1/8" wide	4½" wide
†When stop is 5/8" o	r less.	
Lock Case—Width —Length—	93/4"	33/8"
—Depth 1 1/2 Hinged End Case; 51/8	"; at stres	s point 13/4"
		h 1 1/8"
Crossbar Tubing: 1"	O. D.	
	. 7 7 7 7.	

Roller strike No. 1404J has adjustable feature to compensate for warping and swelling doors—furnished to fit ½" stop unless otherwise specified. (Illustrated on Page No. 567) For data on cylinder see Page No 567.

Two Cylinder Type

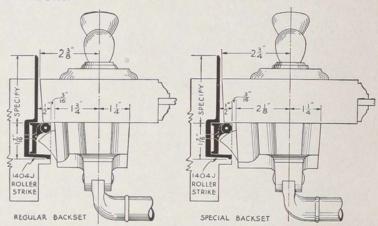
LEVER ARMS supported by 1/2" Diameter FLOATING AXLES.

DOGGING FEATURE at each end of the crossbar with a DIRECT DRIVE into the lever arms makes the crossbar a solid unit with the lock-case and the hinged end case.

ALL DESIRABLE FUNCTIONS.

ANY STANDARD TRIM IS USABLE.

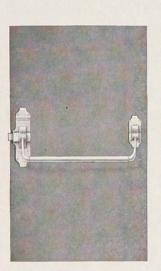
SEX BOLTS furnished regularly for Wood, Kalamein or Tin Clad



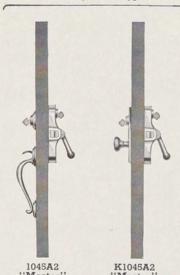
Details of Jamb, Door Stile and Trim

Note. Position of Latch Bolt in its relation to Strike and Door prevents picking.

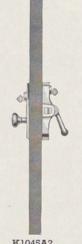
Single Cylinder Type



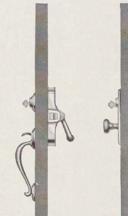
Inside Elevation



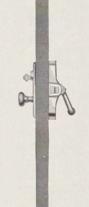
2620R



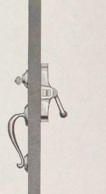
2580



1046A2 "Master 2620R



K1046A2



NL1046A2



None

OPERATION

No. 1045A2 Latch bolt is operable from inside by crossbar at all times—from outside by thumbpiece (except when same is set by key through inside cylinder), then by key through outside cylinder.

No. K1045A2 Latch bolt is operable—from inside by crossbar at all times—from outside by knob (except when same is set by key through inside cylinder), then by key through outside cylinder.

No. 1046A2 Latch bolt is operable—from inside by crossbar at all times-

from outside by thumbpiece (except when same is set by key through outside

No. K1046A2 Latch bolt is operable—from inside by crossbar at all times—from outside by knob (except when same is set by key through outside cylinder). No. NL1046A2 Latch bolt is operable—from inside by cross bar at all times from outside by key only.

No. 1048A2 Latch bolt is operable only from inside by crossbar.

*NOTE—In estimating the backset of trim always take into consideration the fact that the lock sets back from edge of door to clear stop or rabbet. FOR APPLICATION ON DOUBLE ENTRANCE DOORS WITH No. 1252 MULLION, see Page No. 561 as a guide for minimum width of stiles and backset of trim. For Trim description refer to Page No. 563. For Strike description refer to Page No. 567. Instructions for ordering refer to Page No. 548.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

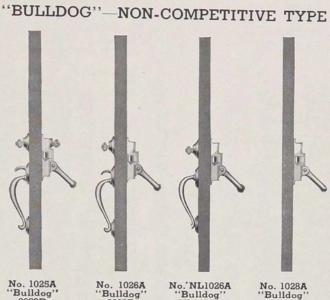


Fon Duprin Type "A" Rim Devices

All Brass or Bronze, with Drop Forged Exterior Trims

A heavy rim cylinder lock device. Operative from inside at all times. A slight pressure against crossbar will withdraw latch bolt from housing. Dogging feature at each end of crossbar. For single entrance doors, double entrance doors with mullion, or exit doors, opening outward. Especially suitable for high class shop and school entrance doors. Crossbar tubing 1" O. D.

Inside Elevation Lock Case 7"x4" overall. Hinged End Case 4"x2" overall.

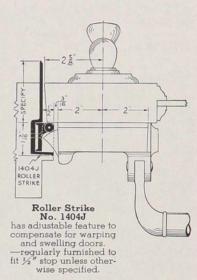


No. 1025A "Bulldog" 2620R

2620R

No.'NL1026A 'Bulldog' NL2620R

No. 1028A "Bulldog"

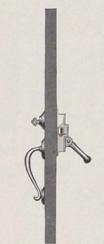


Note: Position of Latch Bolt in its relation to Strike and Door prevents picking.

Inside Elevation
Lock Case 7"x2¾" overall.
Hinged End Case 4"x2" overall.



No. 1036A 'Standard' 2640R

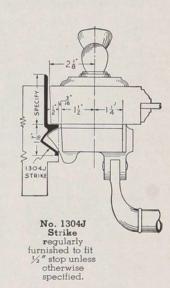


"STANDARD" TYPE

No. NL1036A 'Standard NL2640R



"Standard



OPERATION

No. 1025 A"Bulldog" Double Cylinder Device—By locking door with inside cylinder, no admittance can be had from outside, except by key, yet the door is operative from inside by a slight pressure against crossbar; when door closes the device automatically locks again. Outside cylinder has night latch movement. When device is unlocked by outside cylinder, it is unnecessary to lock it again with the inside cylinder, as it automatically locks itself.

No. 1026A "Bulldog" and No. 1036A Devices—The cylinder has the feature of deadlocking the thumb latch. Exit is normal from inside by a push on the crossbar. The same is automatically locked when the door closes.

No. NL1026A "Bulldog" and No. NL1036A Devices—Has night latch action only.

No. 1028A "Bulldog" and No. 1038A Devices—For Exit only. No outside trim or cylinder.

NOTE: In estimating the backset of trim always take into consideration the fact that the lock sets back from edge of door to clear stop or rabbet. FOR APPLICATION ON DOUBLE ENTRANCE DOORS WITH No.1252 MULLION, refer to Page No. 561 for minimum width of stiles and backset of trim.

For Trim description, refer to Page No. 563. For Strike description, refer to Page No. 567. Instructions for ordering, refer to Page No. 548. For data on cylinders, refer to Page No. 566. Specify Number and Finish. Refer to Page No. 36 for description of finishes.



For Fire and Accident Protection

THE NEW-DROP ORGED-TYPE B2 Von Duprin

NON-COMPETITIVE

DOUBLE ACTING

Embodying all VON DUPRIN Patented refinements as: (All Formed Members are Drop-Forged.)

Collapsible Strike for Single Wood Doors Adjustable Strikes for Double Wood Doors. Ball Compensating Vertical Rod Connections. Sex Bolts for attaching to door all Center Cases, End

Cases, and Top and Bottom Latch Cases.

Steel Bushings on Cam Pins and Axles. Highest grade non-competitive device. Operative from inside at all times. A slight pressure, against, or pull up, on the crossbar, will withdraw the bolts from their housings. Dogging feature at each end of crossbar. Crossbar tubing 1" O. D. Top and bottom vertical rods 3%" diam. Center case 9"x2", end case 51%"x2" over all.

FOR DOUBLE DOORS-OPENING OUTWARD-WHERE THRESHOLD IS USED

Where no threshold is used, vertical rod devices should have "LR" feature—specify by using prefix "LR"—example LR1127B2, LR11B2, etc.—no extra charge.

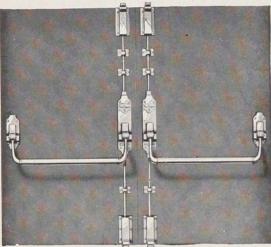
Two Vertical Rod Combination Listed for Accident Protection Only

All

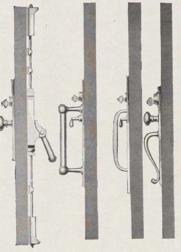
Brass or

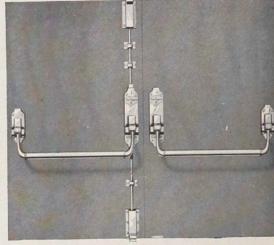
Vertical Rod Devices-Active Doors

Vertical Rod and Mortise Lock Combination









Inside Elevation Inactive Door Active Door
No Outside Trim O. S. Trim as Shown
For Double Entrance Doors

23B2 23B2×2660	11B2
23B2x2668	011B2 0011B2 00011B2
	23B2x2668 23B2x2670 etion) refer to B

For Double Exit and Fire Escape Doors No O. S. Trim 1127B2 1127B2 15B2

1123B2x 1123B2x 1123B2x 1123B2 (Std. Trim 2660 2668



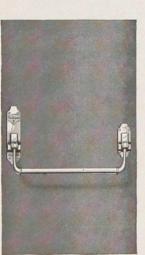
Inside Elevation

O. S. Trim as Shown Below Inactive Door No Outside Trim For Double Entrance Doors

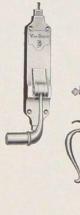
1 of Double Eliteration		
Inactive	Active	Combination
*1127B2 *1127B2 *1127B2 *1127B2	*1724B2 *NL1724B2 *1722B2 *NL1741B2	12B2 13B2 14B2 14½B2

For Double Exit and Fire Escape Doors 16B2 *1127B2

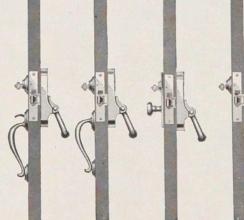
FOR SINGLE DOORS AND ACTIVE DOORS OF DOUBLE DOORS For Exit and Fire Escape Doors For Entrance Doors











'NL1124B2 1122B2 NL24 NL2620R



Inside Elevation

Single Doors Double Doors Lock No.

*NL1141B2 *NL1741B2 NL24

*1130B2 2430

1129½B2 29R

1129B2 29

24 NL24 2620R 2590
B, C, D, or E Situations: Dogging feature will be omitted—Mortise locks 24¼, NL24¼, 22¼ and 2430¾ having uffix "¾"" as 1127¾B2, 1724¾B2, 1124¾B2 etc. For Double Doors equipped with closers, a co-ordinator is *For UNDERWRITERS' LABELED DOORS IN CLASS B, C, D, or E Situations: Dogging feature will be omitted—Mortise locks 24¼, NL24¼, 22¼ ¾" throw latch will be furnished. To specify use suffix "¾"" as 1127½B2, 1724½B2, 1124½B2 etc. For Double Doors equipped with close highly desirable refer to No. 1243, Page No. 562.
For Lock description refer to Pages No. 564 to 566. For Strike description refer to Page No. 567. For Trim description refer to Page No. 568. Instructions for ordering refer to Page No. 548. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

22

You Duprin Type "U"-Bronze

ALL BRASS OR BRONZE

Suitable for Jobbers' Stock. Can be furnished knocked down for fitting to doors up to 3'-6"x7'-6"

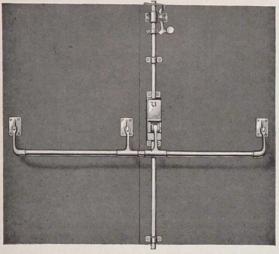
A heavy positive operating device. Operative from inside at all times. A slight pressure, against, the crossbar, automatically locks the vertical bars in a released position; when door is closed the automatic comes in contact with the soffit strike and releases itself, again engaging bolt heads into strikes, which locks the door. Has crossbar dogging feature in lock stile case. Crossbar tubing % O. D. Top rod 17/32" diam. Bottom rod $\frac{1}{2}$ " diam. Center case 8"x2 $\frac{1}{4}$ ", end case 25%"x1 $\frac{3}{4}$ " over all.

FOR DOUBLE DOORS-OPENING OUTWARD-SUITABLE WITH OR WITHOUT THRESHOLD

Double Arm Combination

Vertical Rod Device for Active Door

Vertical Rod and Mortise Lock Combination



Inactive Door Inside Elevation Active Door For Double Exit and Fire Escape Doors With Overlapping Astragals

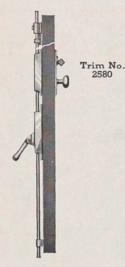
No. 71172U Double Arm Device. No O. S. Trim. Not Reversible.

Two Vertical Rod Combination

For Double Exit and Fire Escape Doors Without Overlapping Astragal

71127U x 71127U (No O. S. Trim) Combination 715U For Double Entrance Doors—O. S. Locking Control

71127U x *71123U Combination 711U See edge view above
*For NL (Night Latch Action)—refer to Page No. 565.

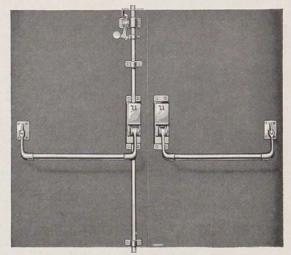


71123U

When desired with Paddle instead of crossbar—specify by using prefix as P71127U, P71724U etc.



Proper Astragal for double doors For details refer to Page No. 548 For data on cylinders, refer to Page No. 566



Inside Elevation

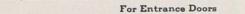
O. S. Trim as Shown Below Inactive Door For Double Entrance Doors

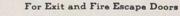
Tot Double Dittidited Doors		
Inactive	Active	Combination
71127U 71127U 71127U 71127U	71724U NL71724U 71722U NL71741U	712U 713U 714U 714½U
11	T 1 T. T	

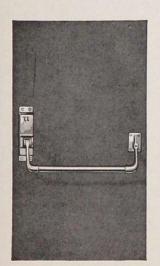
xit and Fire Escape Doors No O. S. Trim

71730U 71127U 716U

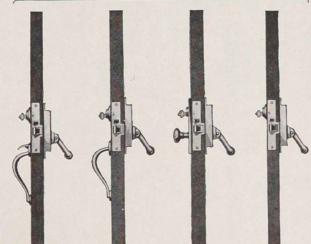
FOR SINGLE DOORS AND ACTIVE DOORS OF DOUBLE DOORS



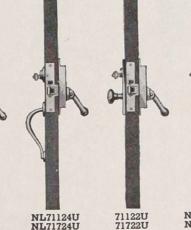




Inside Elevation



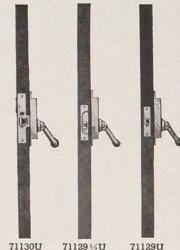
71124U 71724U Single Doors Double Doors Lock No. Trim No.



NL71124U NL71724U NL24 NL2640R



NL71141U NL71741U NL24



711291/2U 71730U 2430 29R 29

2590 2640R For Lock description refer to Pages No. 564 to 566. For Strike description refer to Page No. 567. For Trim description refer Instructions for ordering refer to Page No. 548. Specify Number and Finish. Refer to Page No. 36 for description of finishes. For Trim description refer to Page No. 563.

Fon Duprin Type "U"—Malleable Iron

CAST PARTS, MALLEABLE IRON-CENTER CASE, GREY IRON-CROSSBARS AND VERTICAL RODS, STEEL

Suitable for Jobbers' Stock. Can be furnished knocked down for fitting to doors up to 3'-6"x7'-6".

STANDARD FINISH, DEAD BLACK-WITH POLISHED CAST BRASS LOCKS, CYLINDERS AND OUTSIDE TRIM

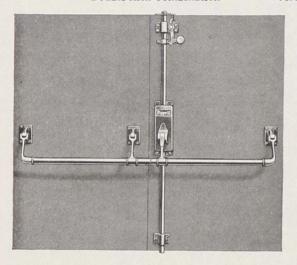
A heavy positive operating device. Operative from inside at all times. A slight pressure, against, the crossbar, automatically locks the vertical bars in a released position; when door is closed the automatic comes in contact with the soffit strike and releases itself, again engaging bolt heads into strike, which locks the door. Can be furnished with crossbar dogging feature in lock stile case, if so desired. Crossbar tubing 76" O. D. Top rod 17/32" diam. Bottom rod ½" diam. Center case 83/6"x2½", end case 25/8"x1¾" over all.

FOR DOUBLE DOORS-OPENING OUTWARD-SUITABLE WITH OR WITHOUT THRESHOLD

Double Arm Combination

Vertical Rod Device for Active Door

Vertical Rod and Mortise Lock Combination



Inactive Door Inside Elevation Active Door

For Double Exit and Fire Escape Doors With Overlapping Astragals

No. 91172U Double Arm Device. No O. S. Trim Not Reversible

Two Vertical Rod Combination

For Double Exit and Fire Escape Doors

Without Overlapping Astragal

91127U x 91127U (No O. S. Trim) Combination 915U

For Double Entrance Doors—O. S. Locking

Control

91127U x 91123U

91127U x *91123U Combination 911U

See edge view above
For NL (Night Latch Action)—refer to Page No. 565

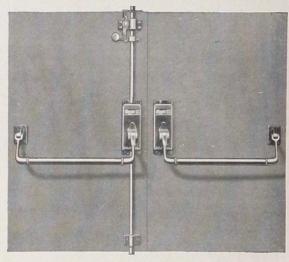


When desired with Paddle instead of crossbar—specify by using prefix
—as P91127U, P91724U, etc.



Proper astragal for double doors For details refer to Page No. 548

For data on cylinders, refer to Page No. 566



Inside Elevation

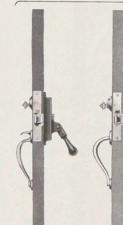
Inactive Door No Outside Trim O. S. Trim as Shown Below

For Double Entrance Doors

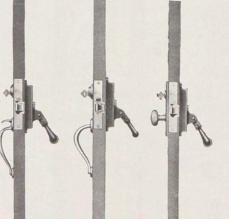
Inactive	Active	Combination
91127U 91127U 91127U 91127U	91724U NL91724U 91722U NL91741U	912U 913U 914U 914½U
For Doub	le Exit and Fire Es No O S. Trim	cape Doors
91127U	9173011	91611

FOR SINGLE DOORS AND ACTIVE DOORS OF DOUBLE DOORS For Entrance Doors

Inside Elevation



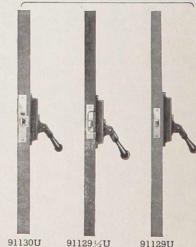
Single Doors 91124U Double Doors 91724U Lock No. 24 2640R Trim No.



NL91124U NL91724U NL24 NL26460R



NL91141U NL91741U NL24



For Exit and Fire Escape Doors

91730U 2430 29R

91129U 29

2590 For Lock description refer to Page No. 564 to 566. For Strike description refer to Page No. 567. For Trim description refer to Page No. 563. Instructions for ordering refer to Page No. 548. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

You Duprin Type "U" Jr.

All Brass or Bronze—Polished—Use numbers listed below.

Unpolished—Sprayed Finish—Use prefex "7" to numbers listed below, as 70127U Jr., etc.—for devices with cast parts, bronze—cross-bars, bronze—vertical rods, steel—all unpolished, lacquer sprayed finish. Regular finish—011C Sprayed.

Dogging feature can be furnished if desired at both ends of crossbar.

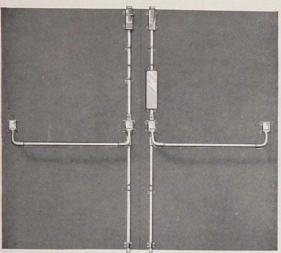
Gravity device, operative from inside at all times. A slight pressure against the crossbar will withdraw the bolts from their housings, and hold the vertical rods in a retracted position until door closes against strike, which automatically releases the "LR" feature and again locks the door. Dogging feature not regularly furnished. Crossbar tubing 1/8" O. D. Top and bottom vertical rods 1/2" diam. Center case 21/16"x21/8", end case 21/16"x21/8", center case for mortise lock device 81/8"x21/8" over all.

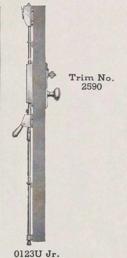
FOR DOUBLE DOORS-OPENING OUTWARD-SUITABLE WITH OR WITHOUT THRESHOLD

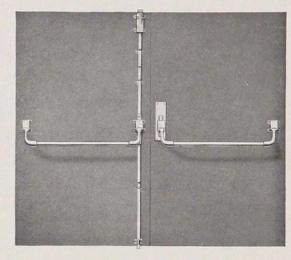
Two Vertical Rod Combination

Vertical Rod Device for Active Door

Vertical Rod and Mortise Lock Combination







Inside Elevation

Inactive Door No Outside Trim

Active Door
O. S. Trim as Shown For Double Entrance Door

101 200210 2110101100 20015		
Inactive	Active	Combination
012711 Jr	*0123II Jr	0111 Jr

*For NL (Night Latch Action)—refer to Page No. 565.

For Double Exit and Fire Escape Doors No O. S. Trim 05U Jr. 0127U Jr. 0127U Jr.

When desired with Paddle instead of crossbar—specify by using prefix "I as P0127U Jr. P0724U Jr. etc.



Proper astragal for double doors For details refer to Page No. 548 For data on cylinders refer to Page No. 566

Inside Elevation

Inactive Door O. S. Trim as Shown Below No Outside Trim For Double Entrance Doors

Inactive	Active	Combination
0127U Jr.	0724U Jr.	02U Jr.
0127U Jr.	NL0724U Jr.	03U Jr.
0127U Jr.	0722U Jr.	04U Jr.
0127U Jr.	NL0741U Jr.	04½U Jr.

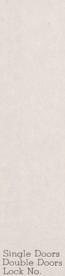
No O. S. Trim

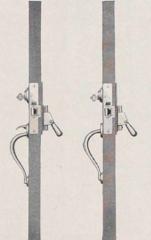
0127U Jr. 0730U Jr. 06U Jr.

FOR SINGLE DOORS AND ACTIVE DOORS OF DOUBLE DOORS For Entrance Doors

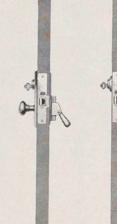


Inside Elevation

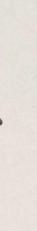




0124U Jr. 0724U Jr.



0122U Jr 0722U Jr. 22



NL0141U Jr. NL0741U Jr.

NL24

2430

For Exit and Fire Escape Doors

0130II Jr.

01291/2U Jr. 29R

0129U Jr. 29

NL2640R For Lock description refer to Pages No. 564 to 566. For Strike description refer to Page No. 567. For Trim description refer Instructions for ordering refer to Page No. 548. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

NL0124U Jr.

NL0724U Jr.



THE NEW-DROP FORGED-TYPE "Ton Duprin

Accident Protection

ALL BRASS OR BRONZE WITH DROP FORGED BRASS OR BRONZE TERMINAL LATCHES, ROD GUIDES, LEVER ARMS AND STANDARD TRIMS

A high-grade device. Operative from inside at all times. A slight pressure, against, or pull up, on the crossbar will withdraw the bolts from their housings. Dogging feature at each end of crossbar. Crossbar tubing 1" O. D. Top and bottom vertical rods 3/8" diam. Center case $8\frac{1}{16}$ "x2", end case $5\frac{1}{16}$ "x2" over all.

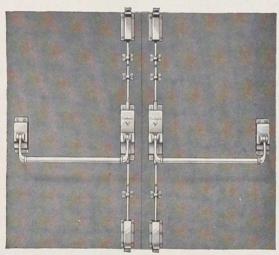
FOR DOUBLE DOORS-OPENING OUTWARD-WHERE THRESHOLD IS USED

Where no threshold is used, vertical rod devices should have "LR" feature—specify by using prefix "LR"—example LR61127V, LR61123V, LR611V, etc.—no extra charge.

Two Vertical Rod Combination Listed for Accident Protection Only

Vertical Rod Devices-Active Doors

Vertical Rod and Mortise Lock Combination



Inside Elevation

Inactive Door

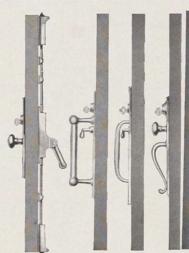
Active Door O. S. Trim as Shown

For Double Entrance Doors

Inactive	Active	Combination
61127V 61127V 61127V 61127V	**61123V **61123V*2660 **61123V*2668 **61123V*2670	611V 0611V 00611V 000611V
		- D N 50

refer to Page No. 565

For Double Exit and Fire Escape Doors No O. S. Trim 61127V 61127V 615V



61123Vx 61123Vx 61123Vx 2660 2668 2670 61123V Std. Trim



Inside Elevation

Inactive Door

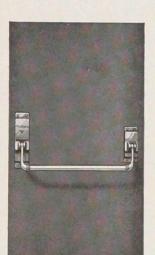
O. S. Trim as Shown Below

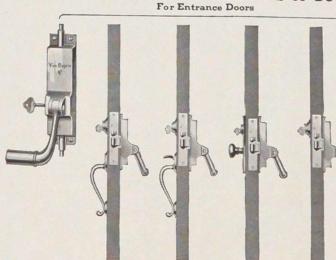
For Double Entrance Doors

Inactive	Active	Combination
*61127V	61724V	612V
*61127V	*NL61724V	613V
*61127V	*61722V	614V
*61127V	*NL61741V	6141/4V

For Double Exit and Fire Escape Doors No O. S. Trim *61127V *61730V 616V

FOR SINGLE DOORS AND ACTIVE DOORS OF DOUBLE DOORS





For Exit and Fire Escape Doors

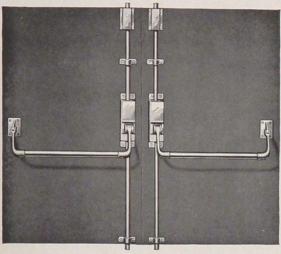
Von Duprin Type

ALL BRASS OR BRONZE

A high-grade competitive device with latch retracting dead bolts. Operative from inside at all times. A slight pressure against the crossbar releases the bolts from their housings, automatically locking the vertical rods in a retracted position; when door is closed the automatic comes in contact with the soffit strike and releases itself, again engaging bolt heads into strikes, which locks the door. Has crossbar dogging feature in lock stile case. Crossbar tubing 1'' O. D. Vertical rods $1''_2$ diam. Center case $8''x21'_4$, end case $25''_8$ x $13'_4$ over all.

FOR DOUBLE DOORS-OPENING OUTWARD-SUITABLE WITH OR WITHOUT THRESHOLD

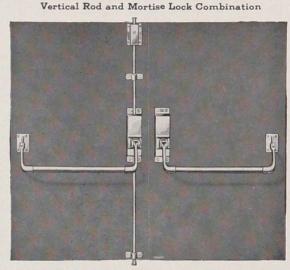
Two Vertical Rod Combination



Inside Elevation

Trim No. 2580

81123W



Inside Elevation

Inactive Door

Active Door
O. S. Trim as Shown

For Double Entrance Doors

Inactive	Active	Combination	
81127W	*81123 W	811W	

For NL (Night Latch Action)-refer to Page No. 565.

For Double Exit and Fire Escape Doors No O. S. Trim

01107117	01107777	OLCITE
81127W	81127W	815W

No. 81172W Double Arm Exit Device. For doors with overlapping astragals. For style of this device, refer to Type 91172U, Page No. 554.

When desired with Paddle instead of crossbar—specify by using prefix "P"as P81127W, P81724W, etc.

For data on cylinders refer to Page No. 566



Proper astragal for double doors For details, refer to Page No. 548

Active Door
O. S. Trim as Shown Below

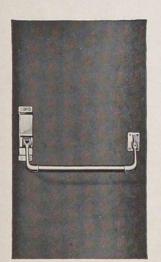
For Double Entrance Doors

Inactive	Active	Combination		
81127W	81724W	812W		
81127W	NL81724W	813W		
81127W	81722W	814W		
81127W	NL81741W	814½W		

For Double Exit and Fire Escape Doors No O. S. Trim

81127W 81730W 816W

FOR SINGLE DOORS AND ACTIVE DOORS OF DOUBLE DOORS For Entrance Doors



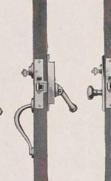
Inside Elevation



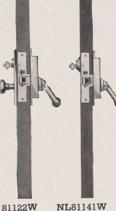
Single Doors Double Doors Lock No. Trim No.



81724W



NL81124W NL81724W NI.24



NL81141W NL81741W NL24

81722W



For Exit and Fire Escape Doors

81730W 29R 2430

NL2640R 2590 For Lock description, refer to Pages No. 564 to 566. For Strike description, refer to Page No. 567: For Trim description, refer to Page No. 563. Instructions for ordering, refer to Page No. 548 Specify Number and Finish. Refer to Page No. 36 for description of finishes.



THE NEW-DROP FORGED-TYPE X Von Duprin

SINGLE ACTING

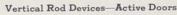
ALL BRASS OR BRONZE WITH DROP FORGED BRASS OR BRONZE TERMINAL LATCHES, ROD GUIDES, LEVER ARMS, AND STANDARD TRIMS

A high-grade competitive device with hinged top and bottom latch bolts. Operative from inside at all times. A slight pressure against the crossbar will withdraw the bolts from their housings. Dogging feature at each end of crossbar. Crossbar tubing 1" O. D. Top and bottom vertical rods 3%" diam. Center case 8"x2½", end case 53%"x2½" over all.

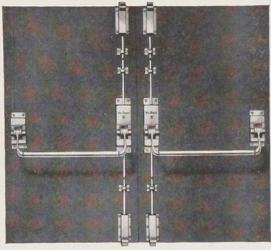
FOR DOUBLE DOORS-OPENING OUTWARD-WHERE THRESHOLD IS USED

Where no threshold is used, vertical rod devices should have "LR" feature—specify by using prefix "LR"—example LR23127X, LR23123X, LR231X, etc.—no extra charge.

Two Vertical Rod Combination Listed for Accident Protection Only



Vertical Rod and Mortise Lock Combination



Inside Elevation

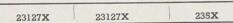
Inactive Door No Outside Trim

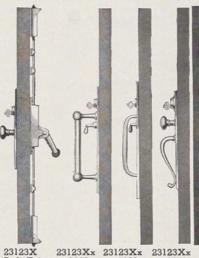
Active Door O. S. Trim as Sh Trim as Shown

For Double Entrance Doors

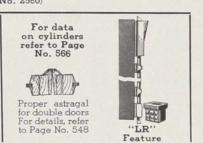


**For NL (Night Latch Action)—refer to Page No. 65 For Double Exit and Fire Escape Doors No O. S. Trim





23123X (Std. Trim 2660 2668 No. 2580)



Inside Elevation

Inactive Door No Outside Trim

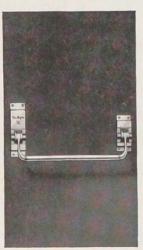
Active Door
O. S. Trim as Shown Below For Double Entrance Doors

Inactive	Active	Combination
*23127X *23127X *23127X	*23724X *NL23724X *23722X	232X 233X 234X
*23127X	*NL23741X	234½X

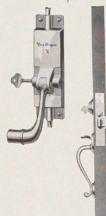
For Double Exit and Fire Escape Doors No O. S. Trim *23127X *23730X 236X

FOR SINGLE DOORS AND ACTIVE DOORS OF DOUBLE DOORS For Exit and Fire Escape Doors

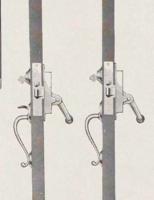
For Entrance Doors



Inside Elevation



Single Doors Double Doors Lock No. Trim No.

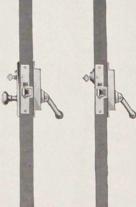


*NL23724X NI.24 NL2620R

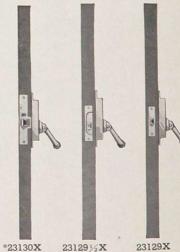
*23124X

*23724X

2620R



*23122X *NL23141X *23722X *NL23741X NL24 2590



*23130X *23730X 231291/2X 2430 29R

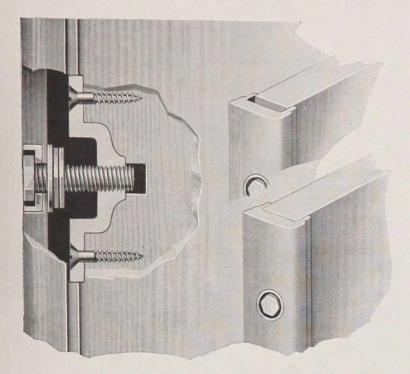
29

*For UNDERWRITERS' LABELED DOORS IN CLASS B, C, D or E Situations: Dogging feature will be omitted—Mortise locks 2434, NL2434, 2234 and 243034 having 3/4" throw latch will be furnished. To specify use suffix "3/4" as 321273/4X, 231243/4X etc. For Double Doors equipped with closers a co-ordinator is highly desirable—Refer to No. 1243 Page No. 562. For Lock description refer to Pages No. 564 to 566. For Strike description refer to Page No. 567. For Trim description refer to Page No. 563. Instructions for ordering refer to Page No. 548. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Compensating Astragal Fixture No. 1246

All Brass-Patent No. 1922860

For use on double doors without overlapping astragals, each door operating independently of the other, equipped with panic devices or push and pull hardware.



On Wood Doors—Shrinkage permits picking of lock and loss of heat—swelling prevents doors from closing properly.

On Metal Doors—When being installed, often the gap is too great or the doors rub and bind.

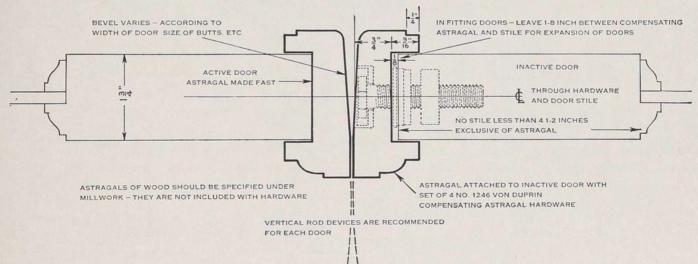
All these objections are overcome by the use of the Von Duprin Compensating Astragal Fixture, which makes possible the easy adjustment of the clearance between the doors and which adjustment remains fixed.

When doors swell or shrink, **custodian of building** performs labor of keeping doors in perfect adjustment, **skilled labor** being unnecessary—a tremendous saving to the owners.

Astragals are not a part of this fixture. If of wood, can be furnished by any mill. If of metal, can be furnished by metal door manufacturer.

Full size drawings showing suggested details of wood or metal astragals will gladly be furnished on request.

A set consisting of 4 fixtures is required for each pair of doors. One set of wrenches for application and adjustment is required for each building.

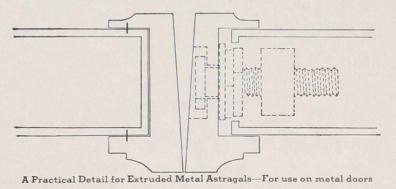


For satisfactory Panic Device Hardware we recommend a two vertical rod combination in any type—example as our Comb. 11B2, page 552, and Threshold No. 12394, page 560.

When Panic Devices with mortise locks are used: The strikes must be special, having extended lips and extended open backs, and must be bolted to the adjustable astragal.

For Dead Locking Hardware where Self-Releasing Exit Devices are not used: Place the mortise top and bottom bolts and mortise dead lock on edge of active door—only lock strike is to be applied to the adjustable astragal on the inactive door.

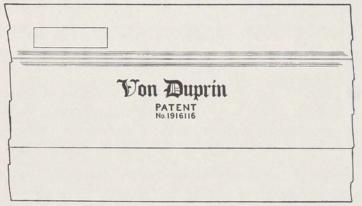
Hardware suppliers and door manufacturers must work from the same detail.



Von Duprin All Weather Threshold

Extruded Bronze or Aluminum

Designed especially for the proper co-ordination with Von Duprin Fire and Panic Exit Devices and are extremely desirable for any single or double door opening outward.

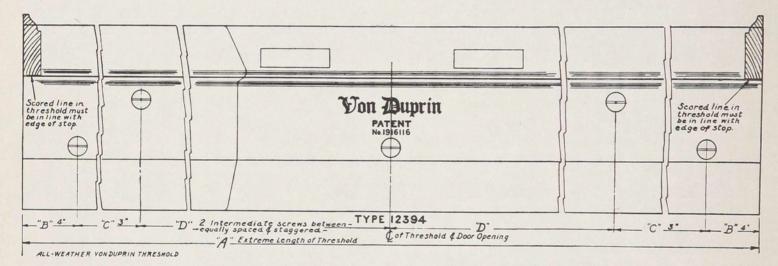




CENTER SECTION OF TYPE 12393

CENTER SECTION OF TYPE 12392

NOTE—Von Duprin Thresholds Nos. 12392, 12393 and 12394 are made only for use with Von Duprin Vertical Rod Devices. Only **Genuine Von Duprin Thresholds** will work satisfactorily with Von Duprin Exit Devices.



- 1. Windbreak.
- 2. Water-shed.
- 3. Full length buffer for stopping doors in perfect alignment.
- Anti-stumble; no exaggerated elevations, but all tapering and rounding.
- 5. Underside, anti-creep.
- BOTTOM LATCH SEE NOTATION IN PLAN

 60° BEVEL

We suggest that threshold be set in caulking compound to seal the bottom to the sill.

- 6. Underside, Weeps for stopping water travel.
- Three-point bearing contact to prevent sagging, wind or water blowing under bottom of threshold.
- 8. Eliminates the necessity for special weather strip at the bottom of door.

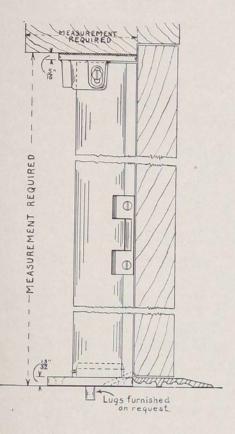
Type or Number		For Door Openings	Stock Lengths	
Bronze	Aluminum	Equipped With	Stock Lengths	
12392	AL12392	Vert. Rod Device on RHRB Door	5'-0", 5'-6", 6'-0", 6'-6"	
12393 12394 12390	AL12393 AL12394 AL12390	Vert. Rod Device on LHRB Door Vert. Rod Device on Both Doors For Single and Double Doors Openings without Vertical Rod	Other Lengths to Order	
12390B	AL12390B	Devices	From Stock in any Length	

Material—Architectural Bronze or Aluminum, Natural Finish. Polished finish to special order only. Nos. 12390, 12392, 12393, 12394 complete with 1½ "x5½"—18 Flat Head Brass Machine Screws and Ackerman-Johnson Type Shields. For Aluminum Thresholds the Machine Screws are Dull Chromium Plated.

No. 1252 Fon Duprin Mullion

ON RECONSTRUCTION WORK

Especially desirable where Double Doors are being converted into Single Doors.



Body—2" Iron Pipe—23%" O. D. Stop—½"xl½" Channel Iron. Fittings—Cast Iron.

Strikes—Cast Brass or Bronze. Finish—Shop Coat Gray Paint.

Shipping Weight-Approx. 40 lbs. Complete with

In using Von Duprin Rim Devices-

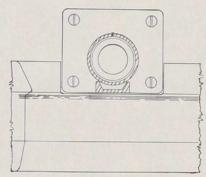
Old mortise do not interfere—all are plugged. Requires no cutting of doorstile to weaken same. Permits old doors to be fitted in their normal position. Von Duprin All-Weather Threshold No. 12390 are recommended to make a complete weather-proof installation—see illustration above.

When ordering specify:

Height of opening.

Type of Sill—Stone, Wood or Concrete.

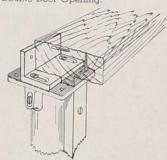
Width of Transom Bar exclusive of Door Rabbet. Suggest sending section drawing of Transom Bar.



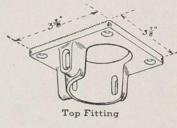
Showing application of No. 12390 Threshold

REMOVABLE

Removing only 3 Machine Screws permits removal of Mullion to give clear Double Door Opening.

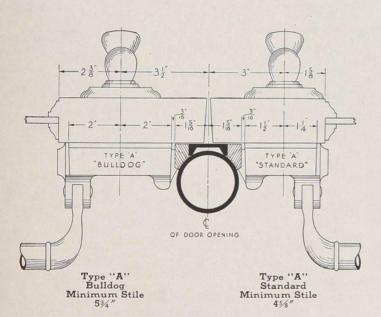


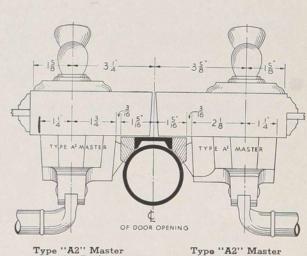
No. 1253C ADJUSTABLE Soffit Angle Plate for Narrow Transom Bars—furnished only when specified





No. 1252C Universal Bottom Plate (with 2 Bearing Lugs when requested)





Regular Backset Minimum Stile

Type "A2" Master Special Backset Minimum Stile 51/4"

Strikes No. 249 1/2 as shown are regularly furnished with No. 1252 Mullion.

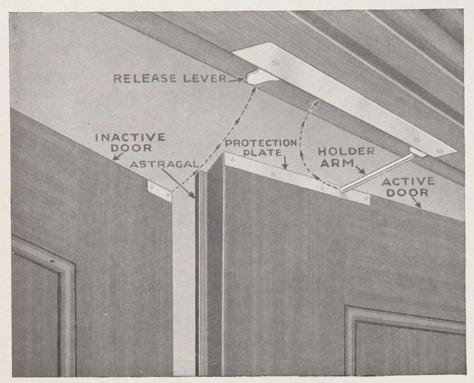
Roller Strikes with adjustable feature, if desired, can be furnished only by the use of special mullion fittings. Details and prices on request. Detail showing minimum width of stiles when Mullions are used with Von Duprin Rim Devices.



Von Duprin Coordinator No. 1243

Patented No. 2015996

Coordinating, Interference or Controlling Device for double doors with overlapping astragal or rabbeted face doors to insure the closing of the inactive door before the active door closes.



Active door is held open by Holder Arm until inactive door engages the Release Lever. This causes Holder Arm to travel into the case of the device and permits the active door to close only after the inactive door has first closed.

When inactive door is closed, its pressure against Release Lever causes the Holder Arm to remain within the case and permits active door to open and close normally.

When inactive door is opened a compression spring forces the Release Lever and Holder Arm into extended position as shown. The Holder Arm is automatically locked in the open position and can be retracted only when inactive door contacts the Release Lever.

Cast Brass or Bronze

Applied to Soffit—Inside of doors can be mortised flush into stop, or surface mounted on stop as desired.

Reversible—Will fit regardless of which door is active.

Universal—Will fit any normal and many unusual conditions.

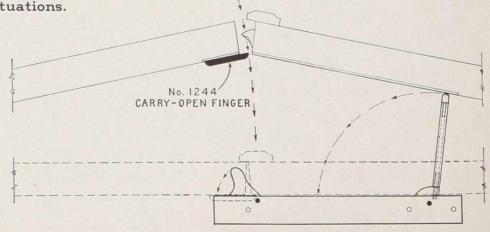
Size of Case—1½" wide, 13" long, 5%" thick.

Holder Arm is furnished 7½" long—to be cut to proper length on job to meet condition. If cut off too short in error, new arms only can be furnished. In cutting arm make same ½" shorter than required length, then drive in the special bullet nosed tip.

Arm must be cut off for correct length to hold active door open just far enough to permit the inactive door to clear. Therefore, when inactive door is opened, carrying with it the active door, the Holder Arm will extend fully and lock in the hold-open position when the inactive door clears the active door.

Approved by Underwriters' Laboratories for use on pairs of doors in Class A, B, C, D and E Situations.

When latch bolt projects beyond astragal (as in Underwriters' requirements for 3/4" throw latch) specify Carry-Open Finger No. 1244 for application to inside of Inactive Door just below soffit. Holder Arm must then be cut off for correct length to hold active door open just far enough to permit Carry-Open Finger to clear the active door. (See illustration.)



Standard Von Duprin Outside Trim

FOR RIM AND MORTISE LOCK DEVICES ALL BRASS OR BRONZE



























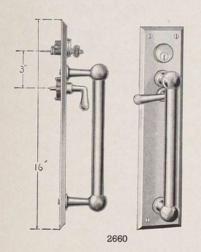




DIMENSIONS

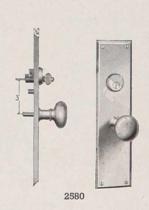
Number	Size Overall	Grip or Knob	Cylinder Collar	Plates	Plates	Regularly furnished with Von
	Inches	Inches	Inches	Inches	Inches	Duprin Devices as follows:
*2620R *NL2620R *2640R *NL2640R *2580 †*2590 2809 2629 2589 2599 NL2809 NL2629	14 14 14 15ee descri 8 x 2½ 18 x 3½ 15¾ 12 x 3 9 x 2¾ 18 x 3½ 1534	7½ 7½ 7½ 7½ 7½ 1½ ption below 2½ 7¼ 7¼ 2½ 2½ 7¼ 2½ 7¼ 7¼ 7½	25/8 25/8 25/8 25/8 25/8 33/4 x 25/8	3½ Diam. 3½ Diam. 3½ Diam. 3½ Diam. 4 x 2½	2½ Diam. 2½ Diam. 2½ Diam. 2½ Diam. 2½ Diam.	B2 V. X Master and Bulldog Rim Types U, W Standard Rim Type A K1045A2, K1046A2 All devices having Lock No. 22 When specified with devices having Lock No. 24 When specified with devices having Lock No. 22 When specified with devices having Lock No. 22 When specified with devices having Lock No. No. 22

FOR VERTICAL ROD DEVICES









Number	Size Overall Inches	Grip Inches	Lever Inches	Knob Inches	Regularly furnished with Von Duprin Devices as follows
*2580	12 x 3			21/4	B2 V X W having terminals "23"
2668 2660 2670	17½ x 3¾ 16 x 3½ 16 x 3½	11 ½ 10 7½	3¼ 3¼	21/4	When specified for Types B2 V X and W having terminals "23"

^{*}Drop Forged.

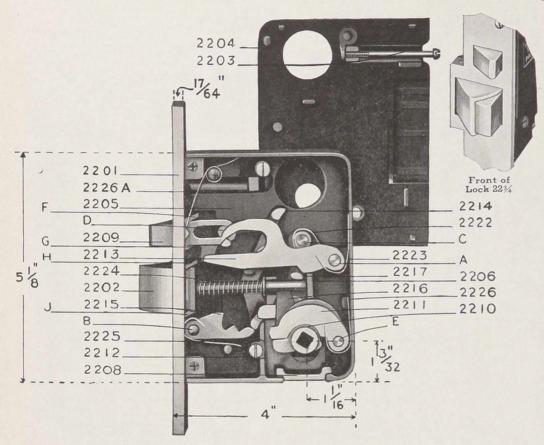
[†]Also used on "U Iron" Vertical Rod Devices.

Cylinders are not included with trim and must be specified separately.

Dummy Trim—Any of the above trims can be furnished to serve as Dummy Trim for pull on Inactive Door. Specify number desired with suffix 'DT'' as 2620R DT, etc. Unless otherwise ordered, neither cylinder collar nor dummy cylinder will be included—levers and thumbpieces will be omitted.

OTHER DESIGNS—When Outside Trim of design other than standard is desired, we can furnish (at difference in price) any Barrows Trim shown in the Design Section of this catalog. The substitute Trim must be of same type and function as those regularly furnished. Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Lock No. 22 Listed with Devices having Terminal "22"



Case—Cast iron, japanned.

Front—Cast brass or bronze (same as shown for Lock 24).

Bolts—Cast brass or bronze. Main bolt, hinged type.

Cylinder—One No. 3215. See Page No. 566.

Strike—See Page No. 567.

Backset-27/8".

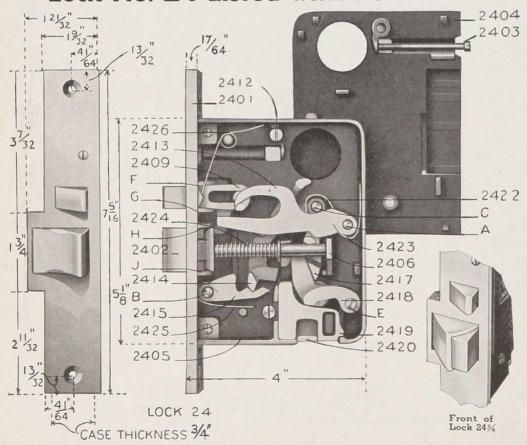
Spacing—Center of cylinder to center of knob, $3\frac{7}{32}$ ". Center of cylinder to bottom of bar lift $4\frac{5}{16}$ ".

Not Reversible—Specify handing.

Operation—Main hinged latch bolt is operable, from inside by crossbar at all times—from outside by knob except when knob is set by key. Key also controls mechanism to hold latch bolts retracted. When door is closed auxiliary latch bolt deadlocks the main latch bolt against end pressure.

Lock No. 22¾—Same as No. 22 except main latch bolt has full ¾″ throw for Underwriters' Labeled Doors in Class B, C, D or E situation. Latch retracing feature is omitted.

Lock No. 24 Listed with Devices having Terminal "24"



Case—Cast iron, Japanned.

Front—Cast brass or bronze.

Bolts—Cast brass or bronze, main bolt hinged.

Cylinder—One No. 3215, see Page No. 566.

Strike—See Page No. 567.

Backset-27/8".

Spacing—Center of cylinder to bottom of lift $4^5/6$ ".

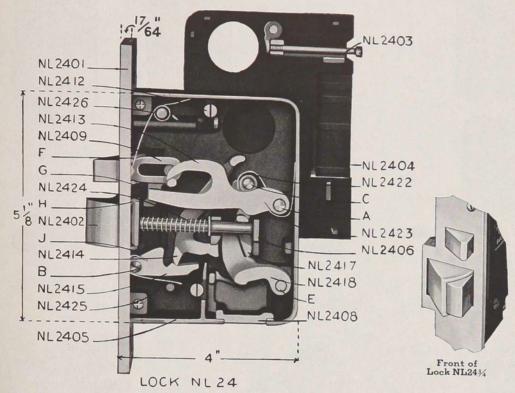
Not Reversible—Specify handing.

Operation—Main hinged latch bolt is operable, from inside by crossbar at all times—from outside by thumb-piece except when thumbpiece lift is set by key. Key also controls mechanism to hold latch bolts retracted. When door is closed, auxiliary latch bolt deadlocks the main latch bolt against end pressure.

Lock No. 24¾—Same as No. 24 except main latch bolt has full ¾" throw for Underwriters' Labeled Doors in Class B, C, D or E situations. Latch retracting feature is omitted.



Lock No. NL24 Listed with Devices having Prefix "NL" and Terminal "24" or "41"



Case—Cast iron, japanned.

Front—Cast brass or bronze.

Bolts—Cast brass or bronze, main bolt hinged.

Cylinder—One No. 3215, see Page No. 566.

Strike—See Page No. 567.

Backset-27/8".

Spacing—Center of cylinder to bottom of lifts 45/6".

Not Reversible—Specify handing.

Operation—Main hinged latch bolt is operable, from inside by crossbar at all times—from outside by key only. Key also controls mechanism to hold latch bolts retracted. When door is closed, auxiliary latch bolt deadlocks the main latch bolt against end pressure.

Lock No. NL24¾—Same as No. NL24 except main latch bolt has full ¾″ throw for Underwriters' Labeled Doors in Class B, C, D or E situations. Latch retracting feature is omitted.

LATCH NO. 2430. LISTED WITH DEVICES HAVING TERMINAL "30"

Alike in every respect to Lock No. NL24 except no cylinder is required and parts Nos. NL2414, NL2415, NL2425 are omitted.

Operation—Main hinged latch bolt is only operable from inside by crossbar at all times. When door is closed auxiliary latch bolt deadlocks the main latch bolt against end pressure.

Latch No. 2430¾—Same as No. 2430 except main latch bolt has full ¾" throw for Underwriters' Labeled Doors in Class B, C, D or E situations. Latch retracting feature is omitted.

LOCKING CONTROLS FOR VERTICAL ROD DEVICES HAVING TERMINALS "23"

All mechanism for **Operating** and **Locking** Vertical Rod Devices from outside of door is contained within the center case of the device.

Operation—Top and bottom bolts are operable, from inside by crossbar at all times—from outside by knob or lever except when same is set by key. Rim cylinder No. 3216 is used.

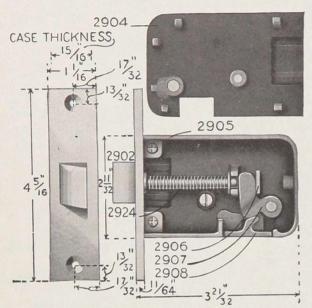
NIGHT LATCH ACTION—Can be furnished (at no extra charge) on any Vertical Rod Device listed with Terminal "23". To specify use prefix "NL" as NL1123B2.

Operation—Top and Bottom Bolts are operable—from inside at all times—from outside by lever or knob only when key is in the cylinder and given a half turn. When key is removed the lever or knob is rigid. Dogging Device must be ordered for devices not regularly equipped with same so doors may be used as push and pull during daytime.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Latch No. 29

Used with Devices having Terminal "29"



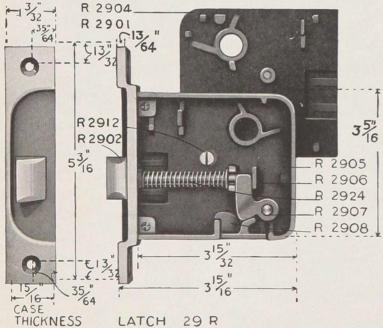
Case—Cast Iron, Japanned.
Front—Cast Brass or Bronze.
Bolt—Cast Brass or Bronze.
Backset—2½". Strike—No. 226J. Page No. 567.

Reversible.

Operation—Latch bolt is operable only from inside and at all times by crossbar. Suitable for single or double interior doors.

Latch No. 29R

Used with Devices having Terminal "291/2"



Case—Cast Iron, Japanned.
Front—Cast Brass or Bronze.
Bolt—Cast Brass or Bronze.
Backset—234". Strike—No. 229RJ. Page No. 567.

Not Reversible—Specify Handing.

Operation—Latch bolt is operable only from inside and at all times by crossbar. Recessed Face (non-pickable) makes same suitable for single exterior doors.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.

Fire and Panic Exit Latchsets

Suitable for Single Exit and Fire Escape Doors

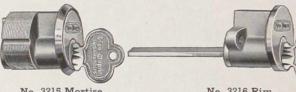
Cast Brass or Bronze -No Outside Trim. Size of Plate-134"x 53/8". Heavy Reinforced Paddle.





P29½ 29R

Cylinders



No. 3215 Mortise Lengths (under shoulder including cam) 1"—11/4"—
11/2"—13/4". Furnished with mortise lock devices having terminals 22, 24 and 41

No. 3216 Rim

Furnished with vertical rod devices having terminal 23—and with all Rim Type A and A² locking devices, except inside of No. 1025A.



No. 3218 Dummy Cylinder



No. 3217 Special Rim Cylinder for Inside No. 1025A Bulldog

When devices are ordered without cylinders, mention whose make will be used as we must prepare our devices to suit. When devices are ordered with cylinders of other manufacture, charge is made for handling.

Keys







No. 224C

No. 222 Dogging Rey
For each order of devices, Dogging
Keys are regularly furnished in
quantities as follows:
1 device. . . . 1 key
2 devices. . . 2 keys
3 to 5 devices. . . 3 keys
6 or more devices. . . 4 keys
4 keys

Sex Bolts

Complete with No. 10-24 O. H. Ctsk. Machine Screws All Brass or Bronze



Female Portion— $^{5}/_{6}''$ diam. with threading $^{11}/_{6}''$ deep; diameter of head $^{12}/_{2}''$.

No. 225— $\frac{3}{4}$ " long under head. No. 225C— $\frac{1}{8}$ " long under head.

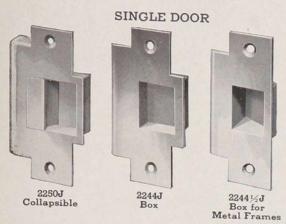


No. 225A. Female Portion ⁵/₆" square, 1½" long under head with threading ¹¹/₆" deep; diameter of head ½".

When ordering consider thickness of door and projection of hardware. Types A2 and B2 Devices are regularly furnished with No. 225C for Center and End Cases, and No. 225 for Top and Bottom Latch Cases.

Standard Von Duprin Strikes

Strikes for Mortise Locks Nos. 22, 24, NL24, 2430

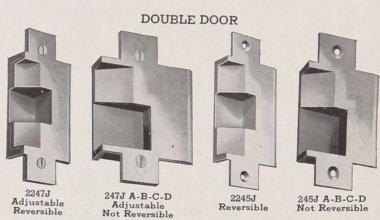


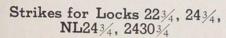
Furnished regularly as follows:

2250J—with Type B2 Devices only.

2244J—with all other types.

2244½J—with all types when applied to Metal or Kalamein frames.







2244¾J Single Door



2245¾J Double Door

Strikes for Latches



229RJ for 29R Latch



226J for 29 Latch

Strikes for Rim Devices



With Adjustable Feature 1404J—½" Stop (Regular) 1404J9—9½" Stop 1404J5—5%" Stop For Type A2 "Master' For Type A "Bulldog"

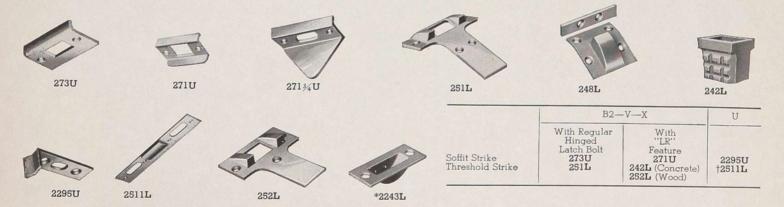


1304J-½" Stop (Regu!ar 1304J9-9%" Stop 1304J5-5%" Stop For Type A "Standard

Strikes for Vertical Rod Devices

SOFFIT STRIKES

STILL OR THRESHOLD STRIKES



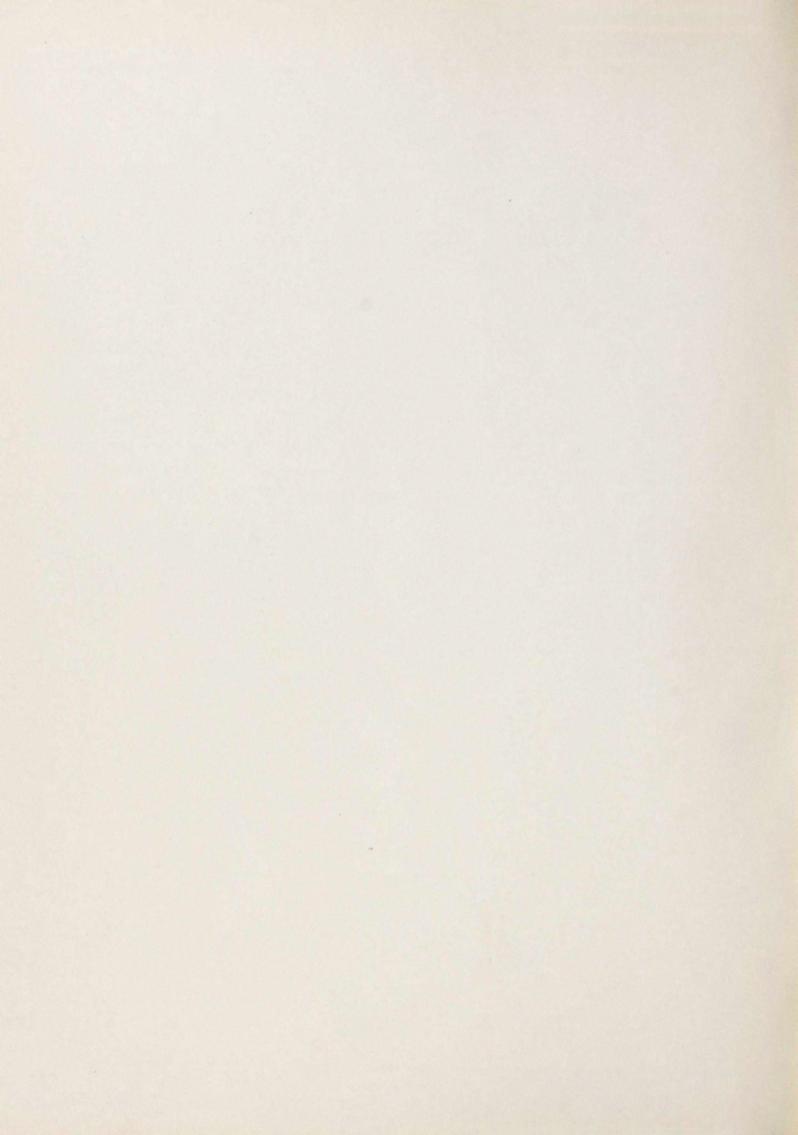
No. 248L Buffer is furnished for active leaf of double doors when mortise lock device is used.

*No. 2243L Strike is furnished with Type U Vertical Rod Devises only when devices are furnished knocked down—Stock sizes.

Note: Other strikes to suit special conditions can be furnished. Send us drawing or sketch of exact detail.

Blue Print Template of any strike will be furnished on request.

Specify Number and Finish. Refer to Page No. 36 for description of finishes.





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